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Employee Training Tracking System

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2.B.N.Srinivasa Gupta

Associate Professor,Dept of CS,

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Abstract - When technologies are growing rapidly, the interoperability between multiple applications or components developed in different technologies becomes an issue.

Web related technologies provides a means of interoperability between applications irrespective of their underlying implementations. Employee Training Tracking System will be built on web related technologies. This system is dependent on the architecture of Client/Server technology. The framework used here is MVC pattern**.**

1. INTRODUCTION

ETTS is segregated into five modules, namely

1. Administration for maintaining new sessions
2. Registration (subscription)
3. Trainee-viewing session details, Updating his details
4. Mailing to the specific member
5. Searching about the training information in the ETTS.

Administration:
This module is used to design new sessions, deleting completed session. This ETTS is wholly maintained by the admin.

Registrations:

This module deals with the registration of the Trainee and existing employees. Registered trainee will have a trainee ID, which is used to authenticate details of particular session and personal details.

Trainee:
This module provides the facilities like entering into trainee login and viewing the mails, his personal skills and update his profile. These are some of the facilities that we are providing in trainee login.

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service depends on SMTP and POP3 servers.

Searching:
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Technologies used:

Servlets, JSP, Struts, JavaMailAPI, James Server, Oracle8i, Apache Tomcat 4x.

A project titled, "**EMPLOYEE TRAINING TRACKING SYSTEM"** is proposed to be developed with WINDOWS-2000 Server as the operating system and JSPs, Servlets on Struts Frame Work. This package will have provision for keep track of employee-training details with the help of web-based technologies. So we can operate this application from remote place.

2. OVERVIEW OF THESYSTEM

Existing System:

When technologies are growing rapidly, the interoperability between applications or components developed in different technologies become an issue. Present trend is web technologies, which allows a user to access the resources from a remote locations. But existing system is not built on web technologies. So to get the benefits of web technologies we have to take the existing system in to web support system i.e. a web based application. With the current system we are unable to operate or use the system from a remote location(from any where). And also it is not accessible by number of users at a same point of time at different locations. Thus the existing system not supporting client/server architecture support and multi-user support.

Proposed System:

The first step of analysis process involves the identification of need. The success of a system depends largely on how accurately a problem is defined, thoroughly investigated and properly carried out through the choice of solution.

This application has been developed in order to overcome the difficulties encountered while using the existing system. JSPs, Servlets, and Struts are some of web technologies. By using these technologies we bring the existing system in to proposed system which is web application. With this new system a user can operate the system from a remote location also. Here users to our system are all employees, trainees and any third person. Simply this new system sets all the problems that are arise when use a standalone system

Project Scope and Objectives:

- Employee Training Tracking System is used to keep track of the trainees and employees (staff) details. Lot of effort was put to make it user friendly.
- Optimum utilization of tool is possible. All basic features are provided.

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- Reduces the user interaction work.
- The wastage of time is reduced.
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- More flexible it means user(administrator)can access and work with the system from any where

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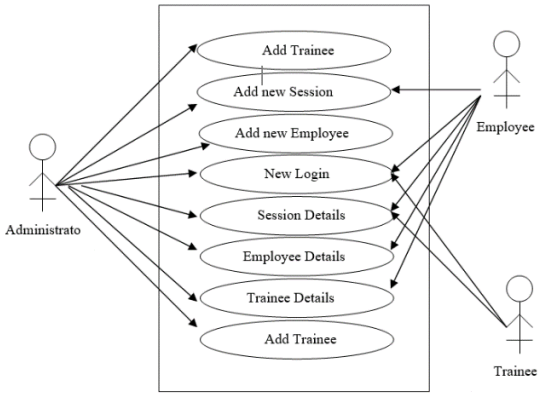


Fig 3.1: UsecaseDiagram

4. OUTPUT SCREEN SHOTS

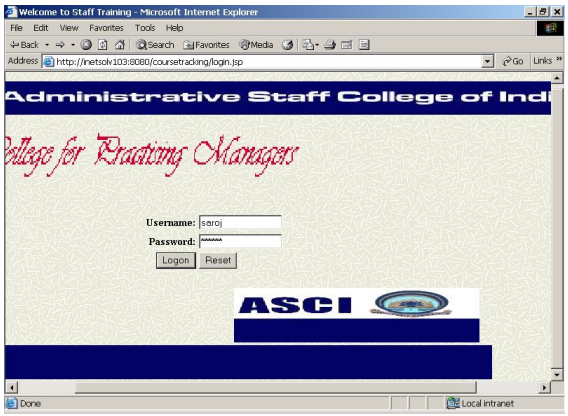


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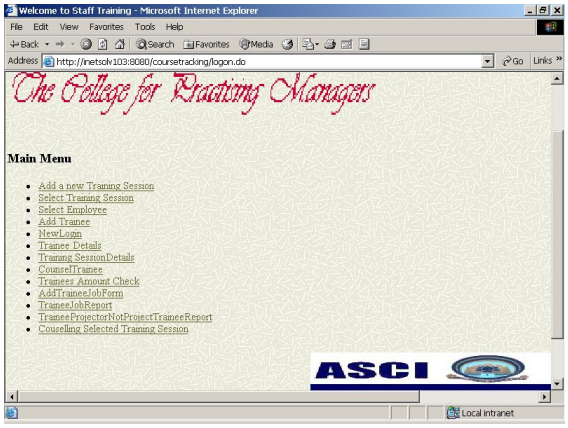


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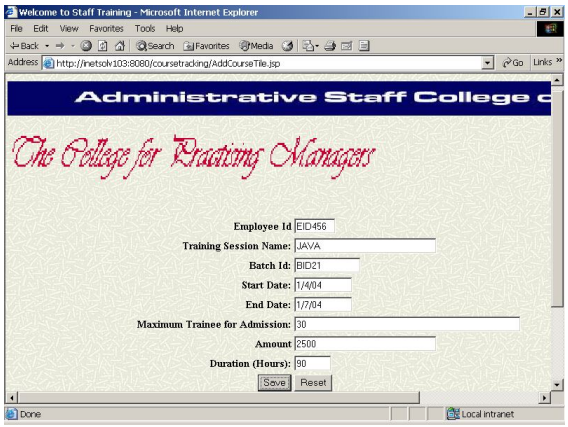


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BENEFITS:

The project is identified by the merits of the system offered to the user. The merits of this project are as follows

- It's a web-enabled project.
- This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
- The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
- Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records. Moreover there is restriction for his that he cannot change the primary data field. This keeps the validity of the data to longer extent.
- User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.
- From every part of the project the user is provided with the links through framing so that he can go from one option of the project to other as per the requirement. This is bound to be simple and very friendly as per the user is concerned. That is, we can sat that the project is user friendly which is one of the primary concerns of any good project.
- Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
- Decision making process would be greatly enhanced because of faster processing of information since data collection from information available on computer takes much less time then manual system.
- Allocating of sample results becomes much faster because at a time the user can see the records of last years.
- Easier and faster data transfer through latest technology associated with the computer and communication.
- Through these features it will increase the efficiency, accuracy and transparency,

LIMITATIONS:

The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

Training for simple computer operations is necessary for the users working on the system.

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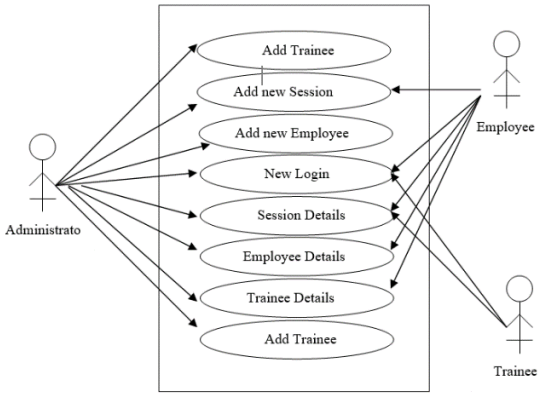


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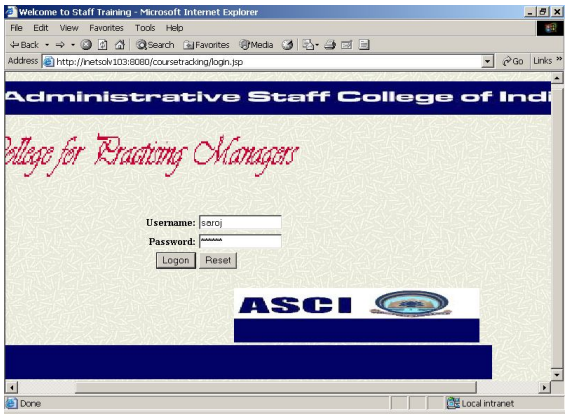


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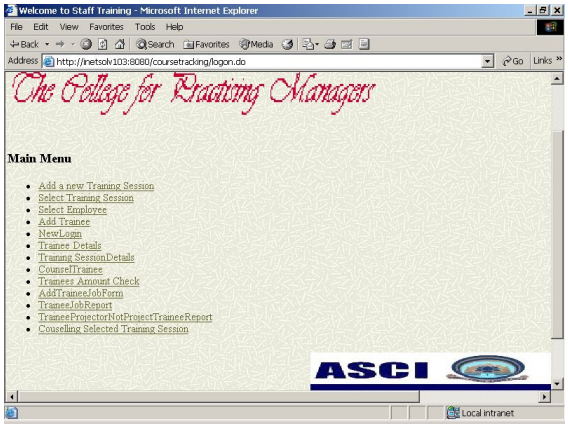


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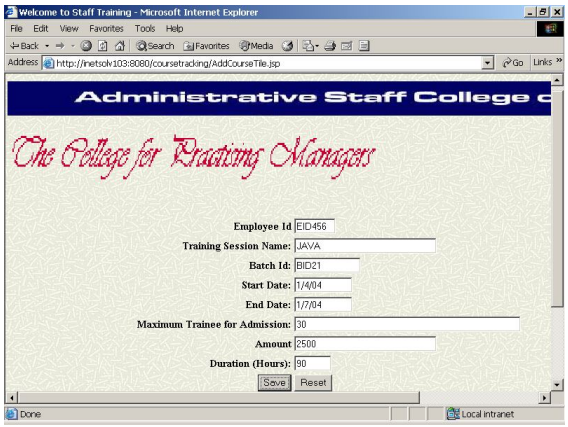


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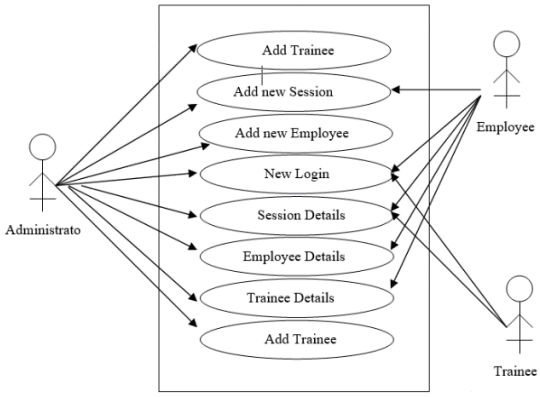


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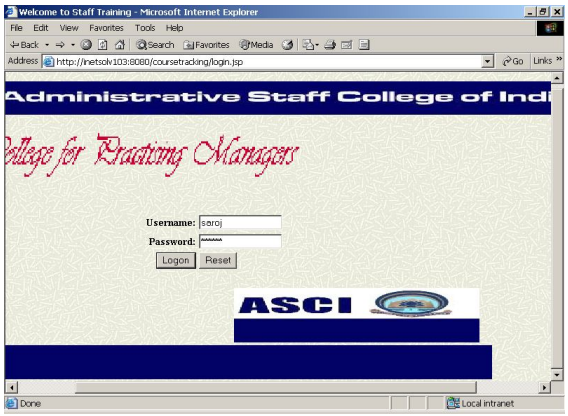


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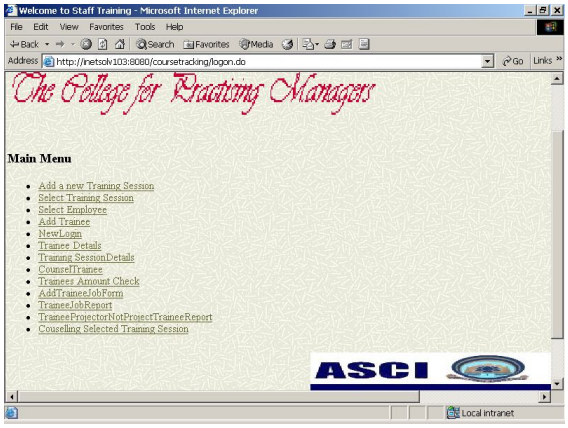


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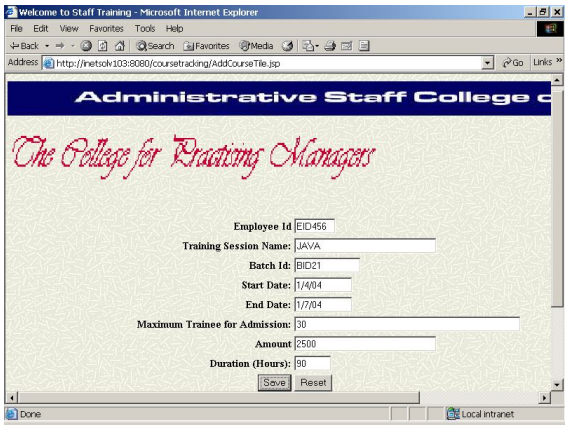


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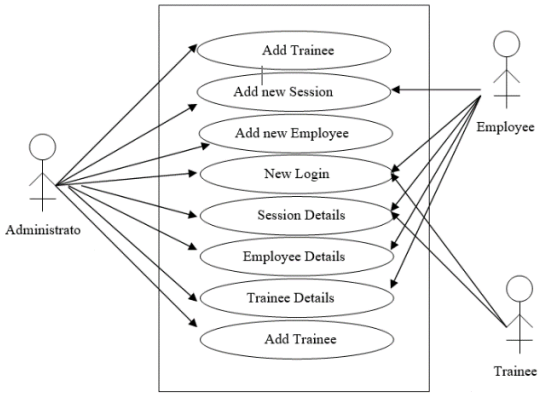


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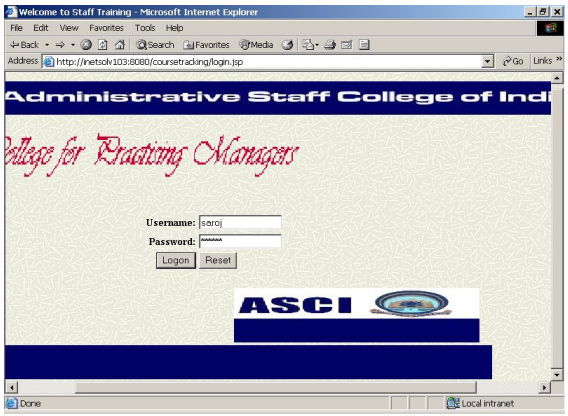


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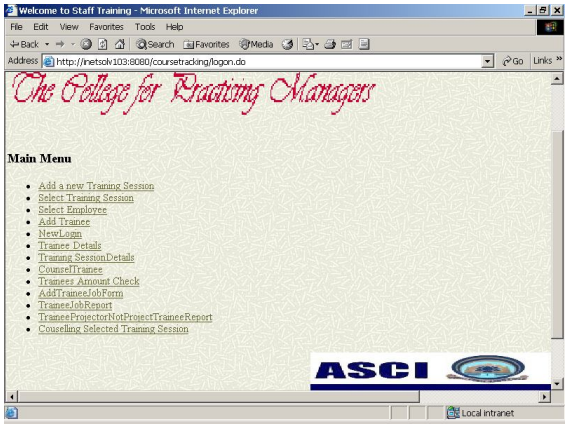


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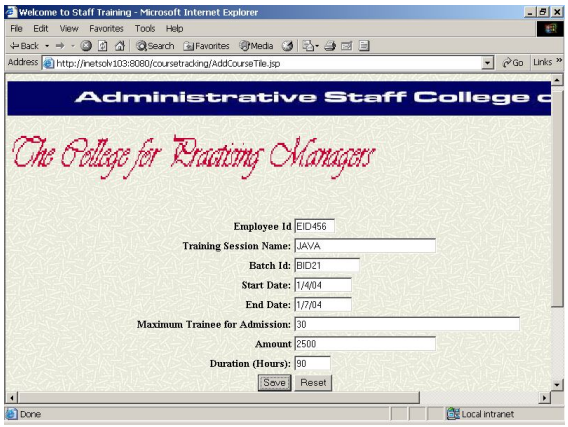


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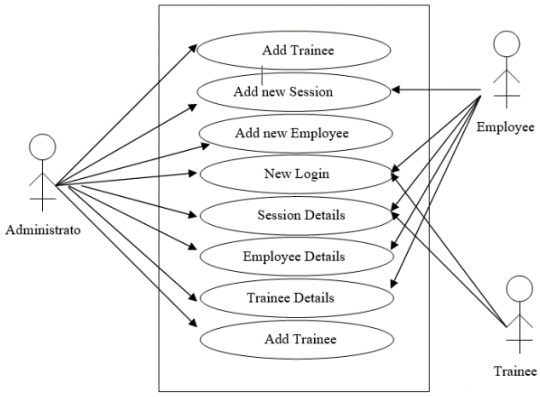


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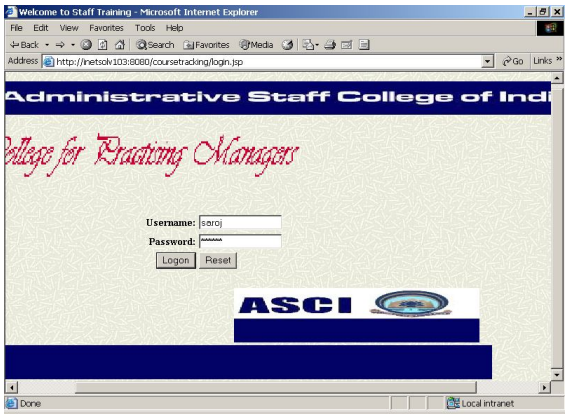


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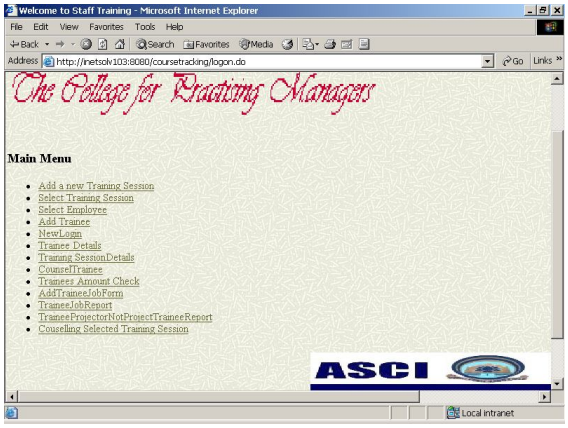


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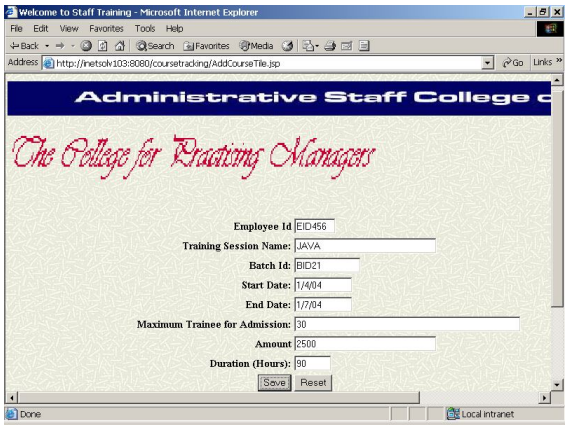


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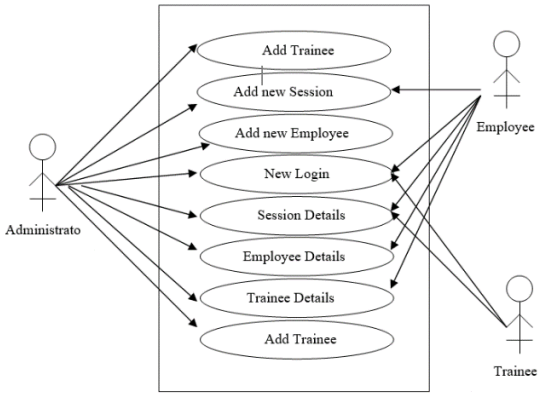


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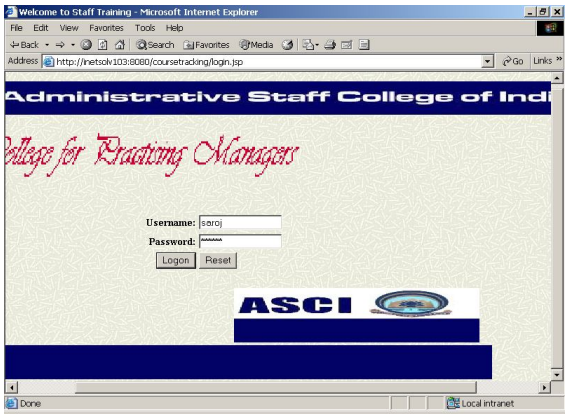


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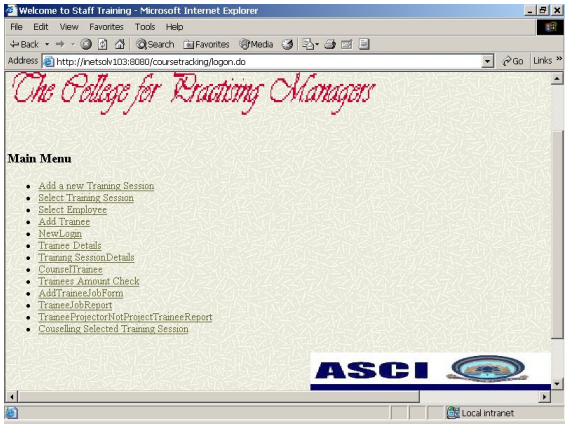


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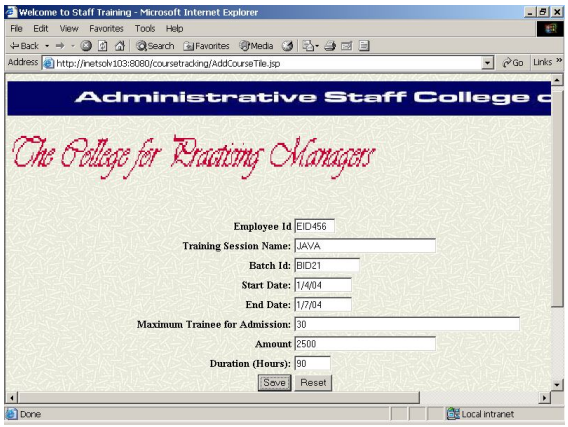


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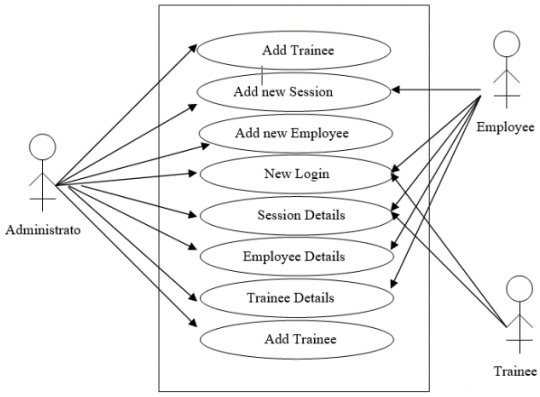


Fig 3.1: UsecaseDiagram

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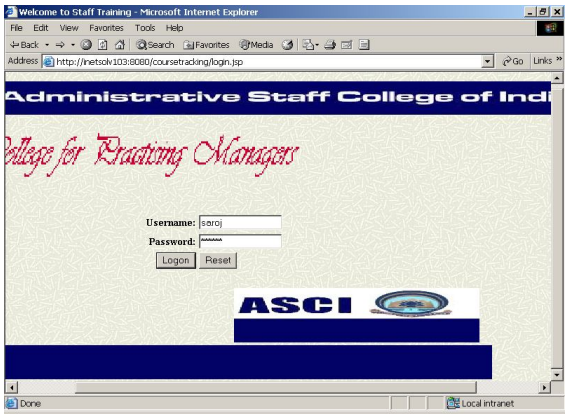


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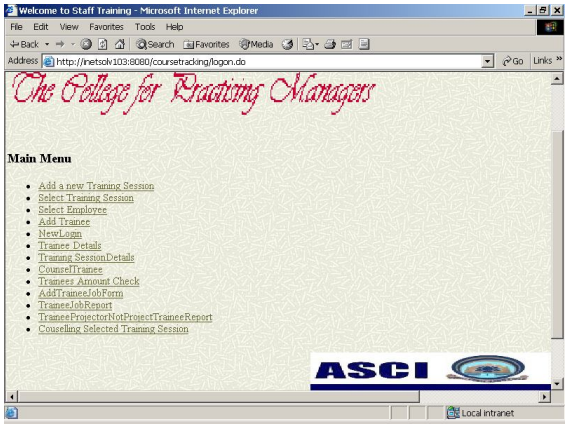


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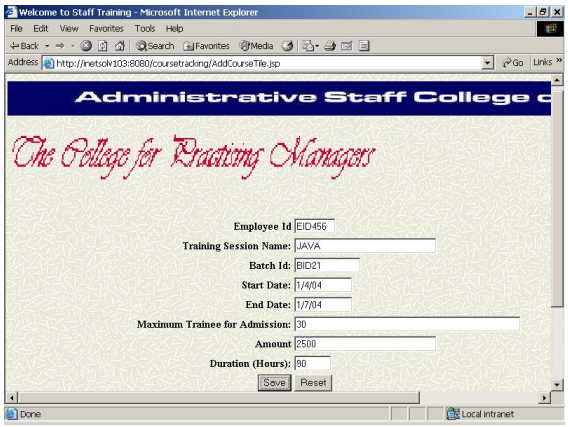


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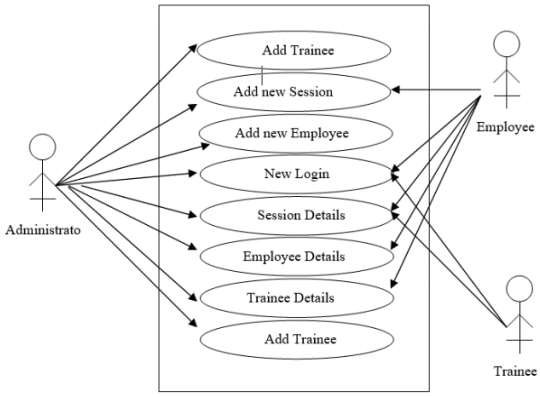


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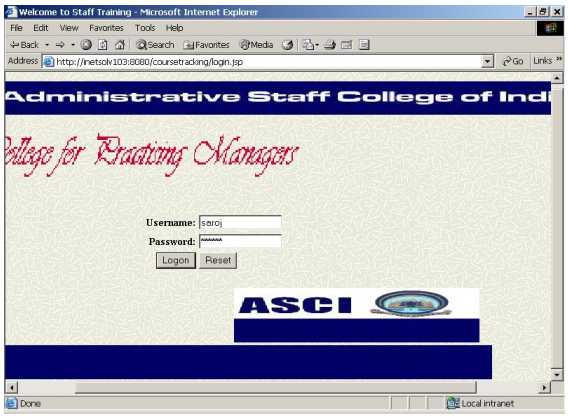


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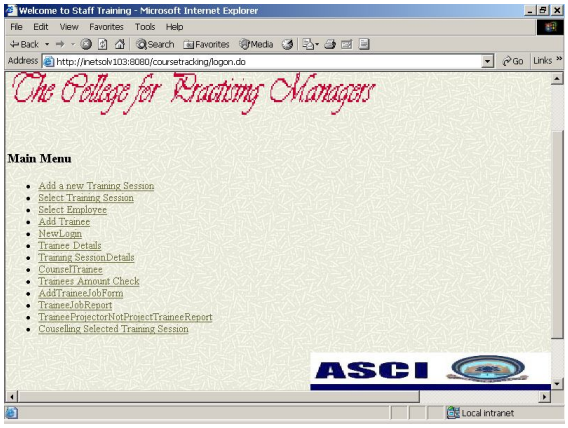


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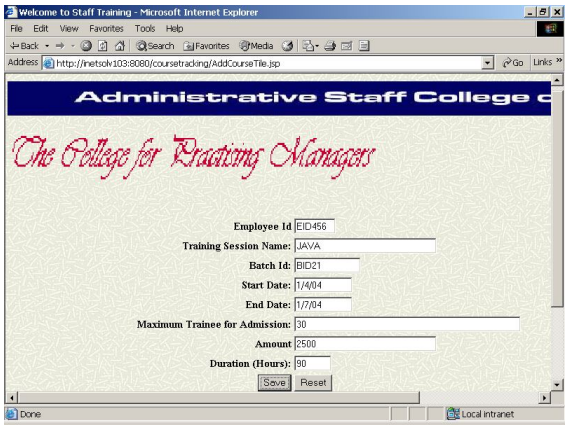


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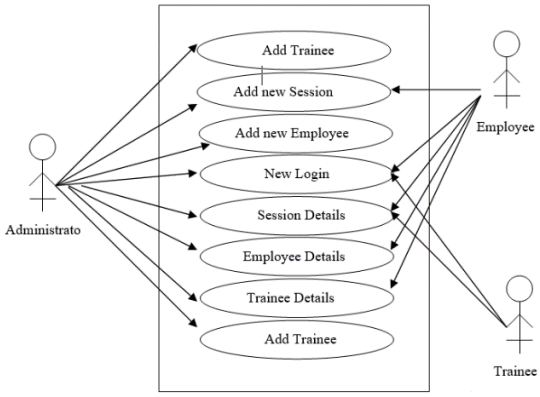


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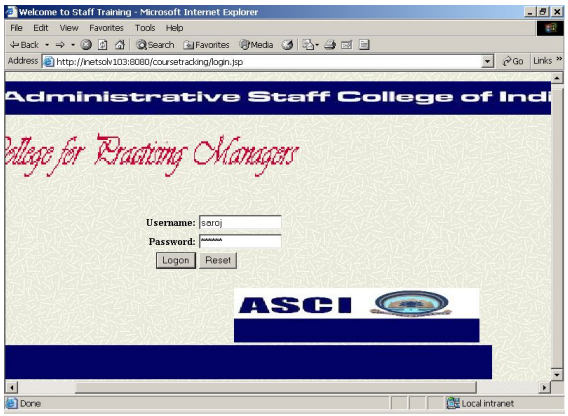


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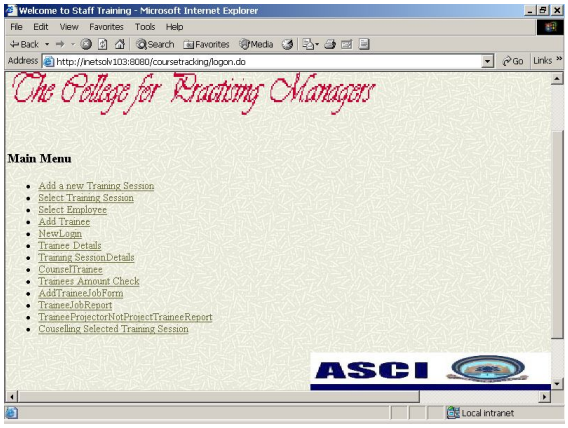


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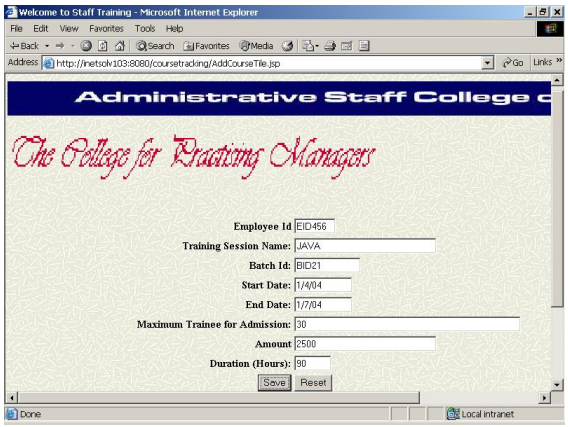


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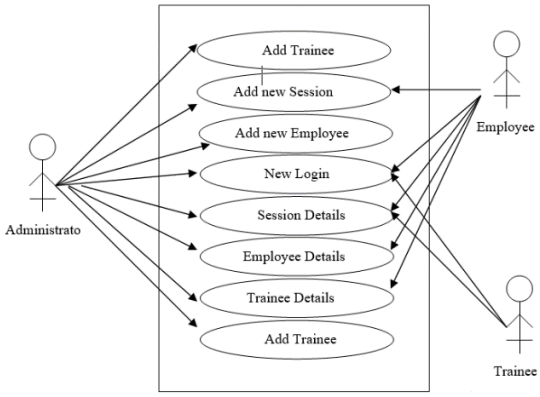


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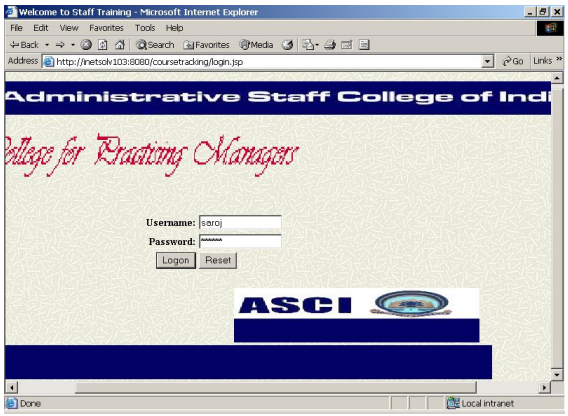


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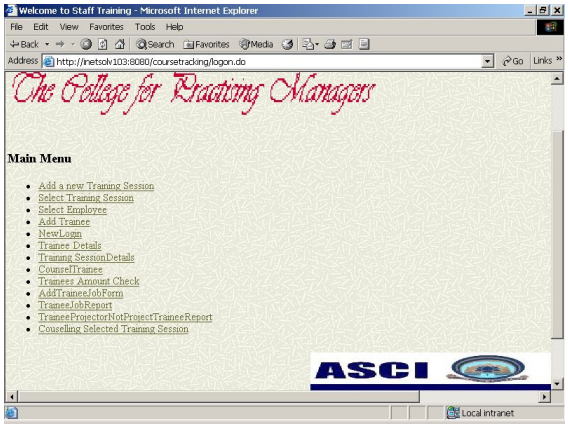


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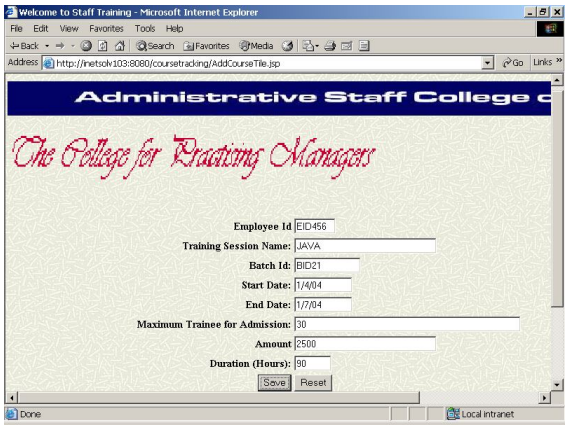


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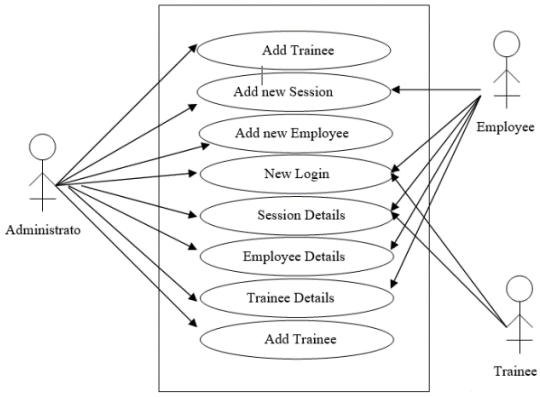


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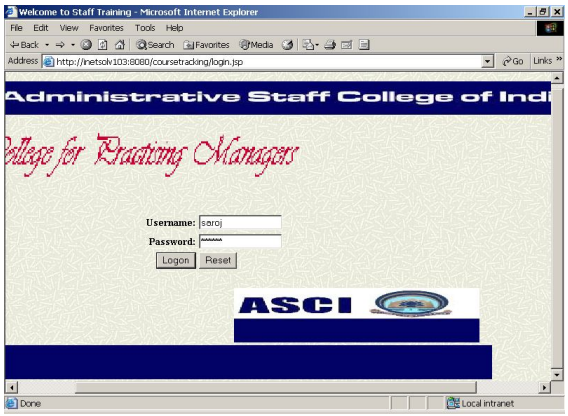


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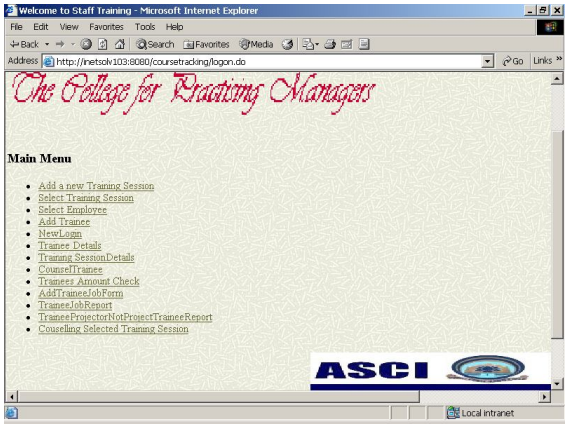


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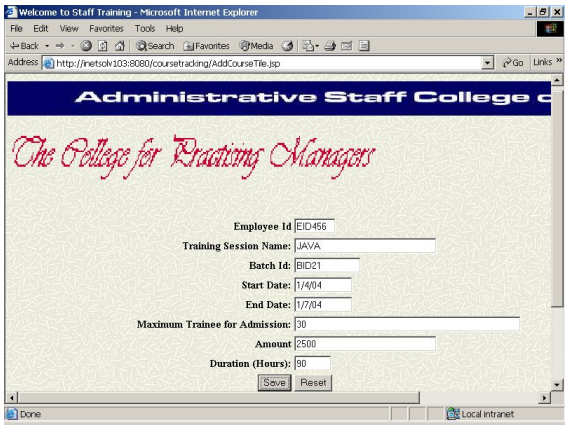


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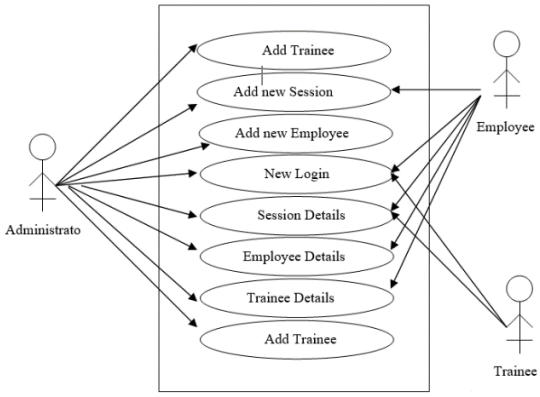


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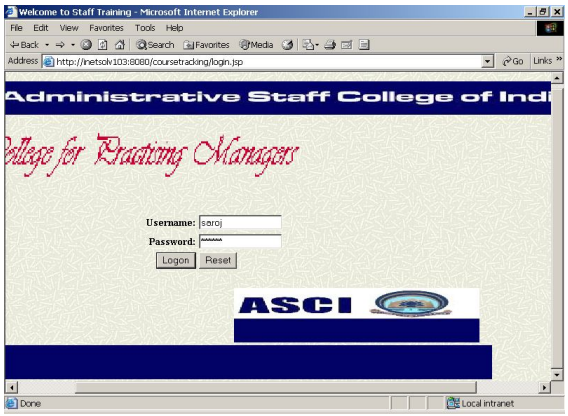


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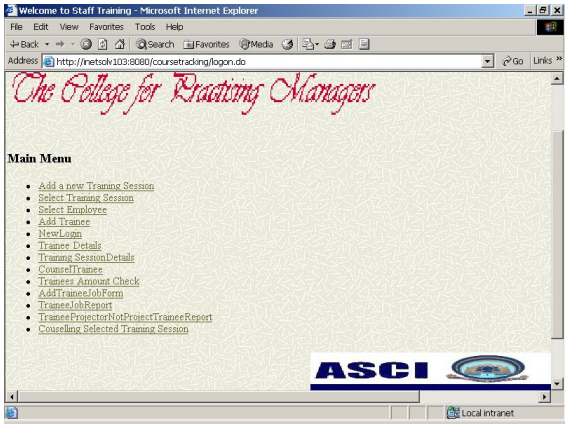


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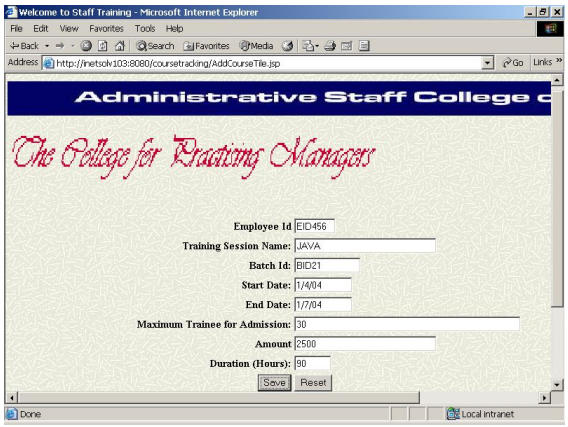


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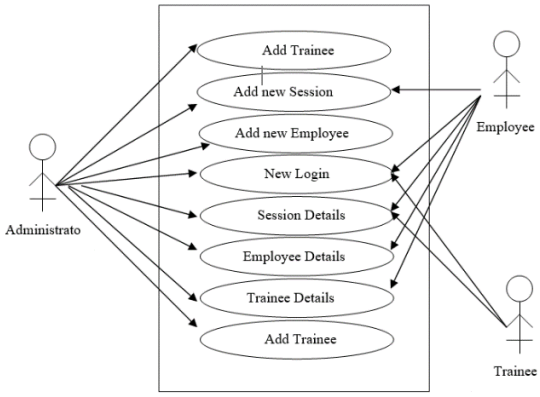


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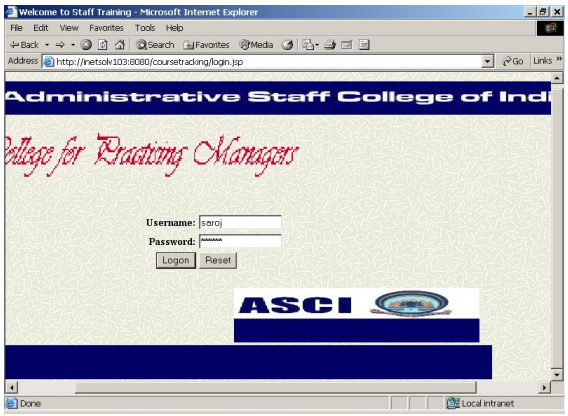


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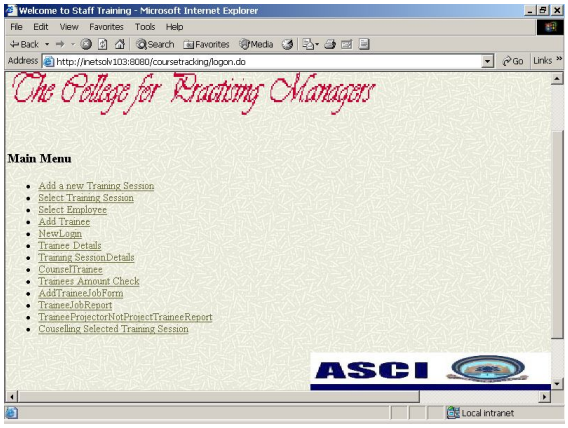


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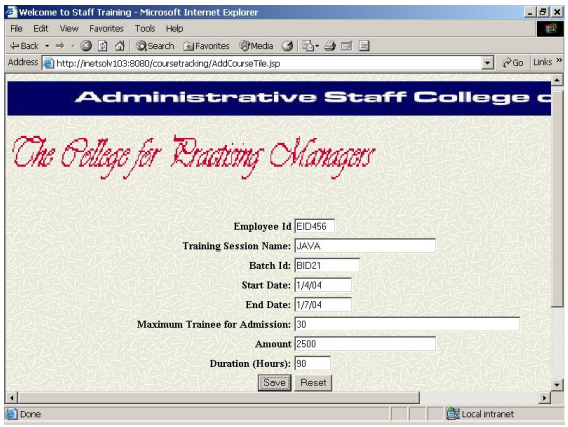


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- Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
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- Allocating of sample results becomes much faster because at a time the user can see the records of last years.
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The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

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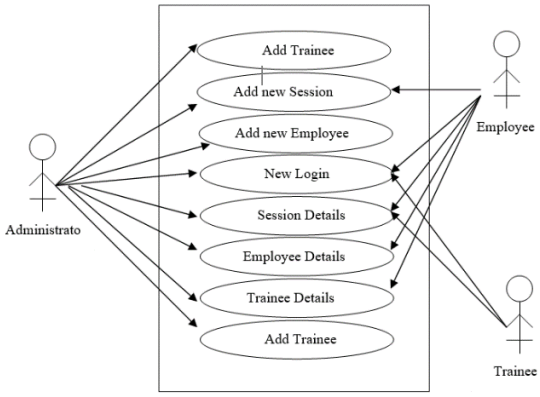


Fig 3.1: UsecaseDiagram

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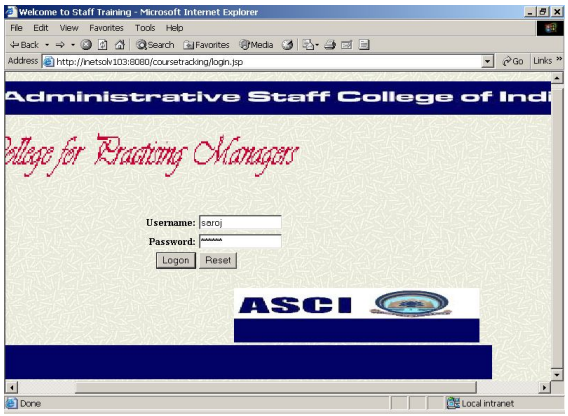


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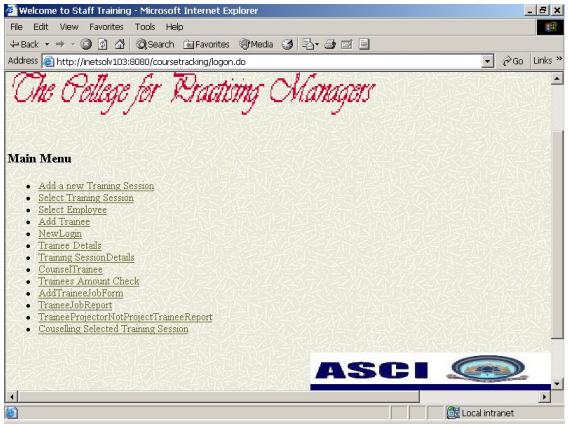


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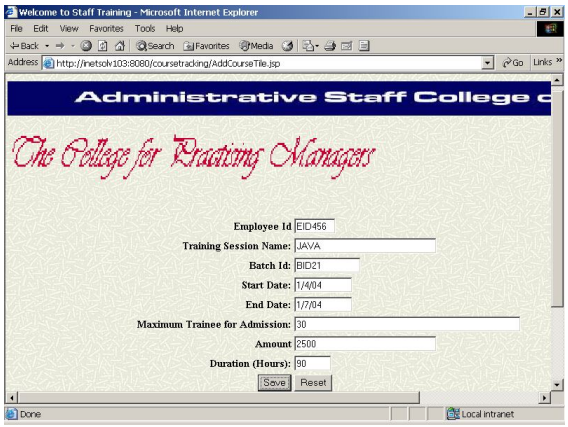


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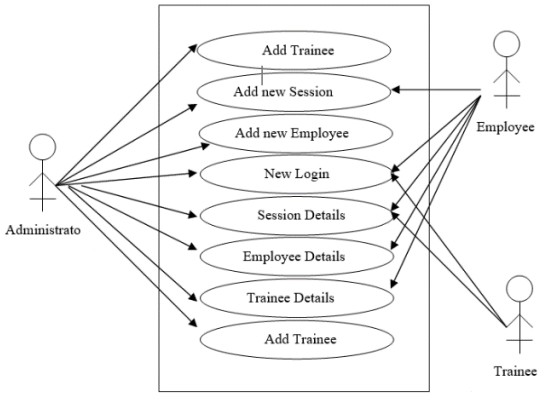


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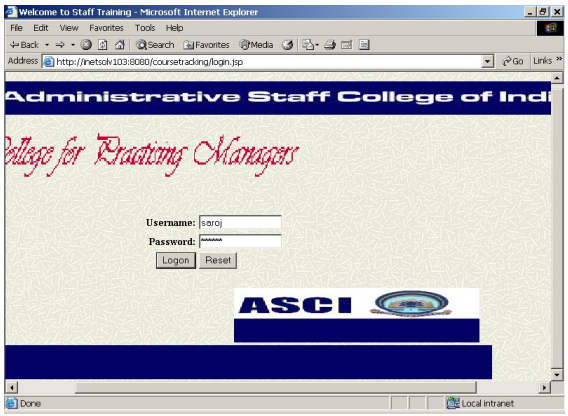


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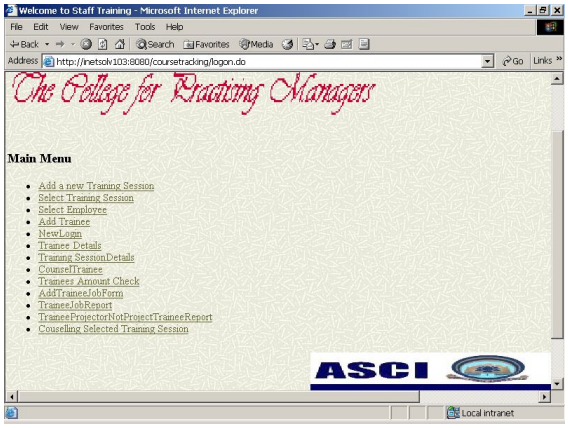


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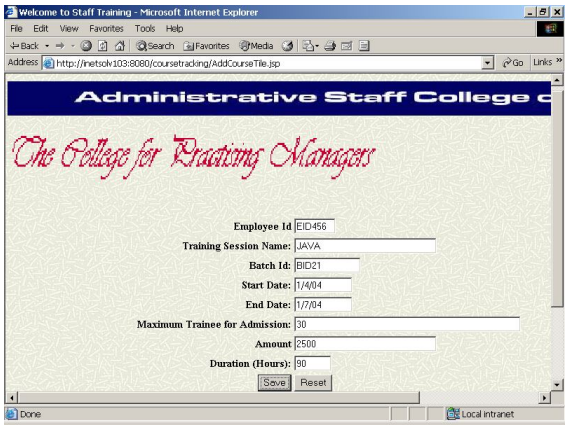


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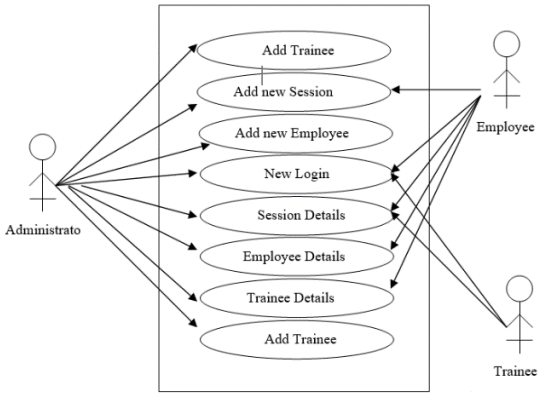


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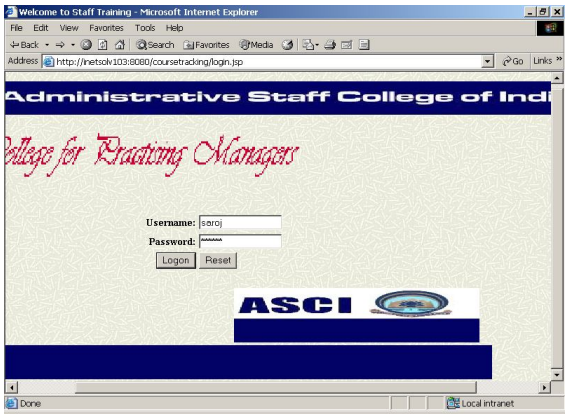


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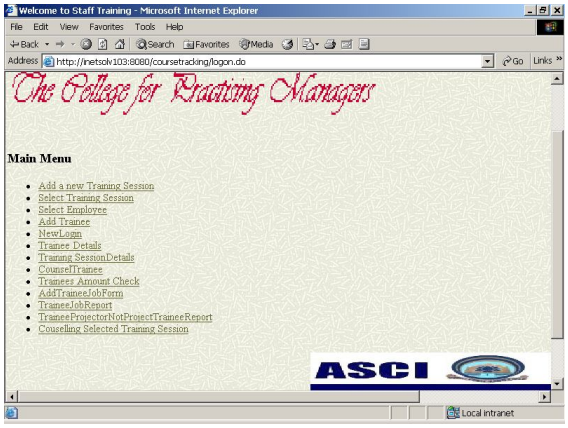


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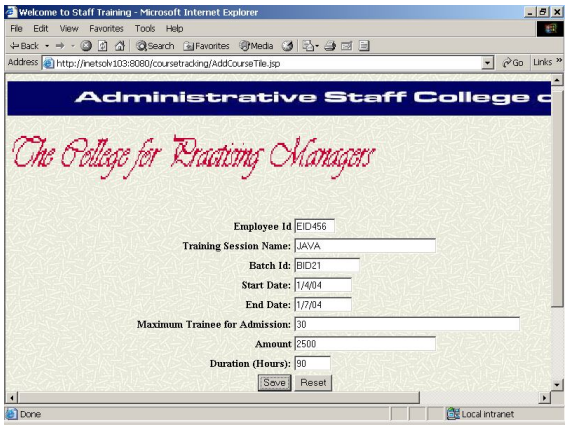


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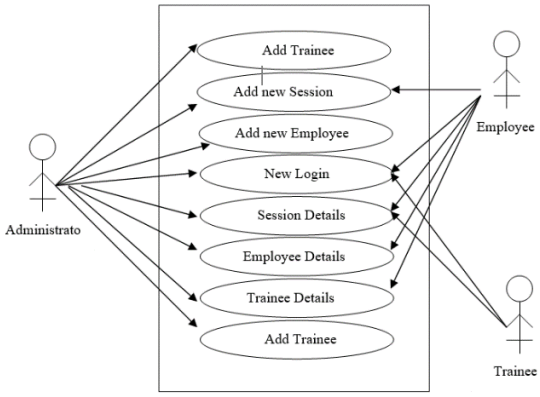


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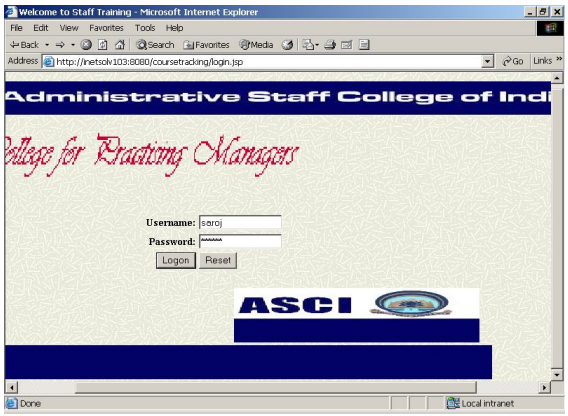


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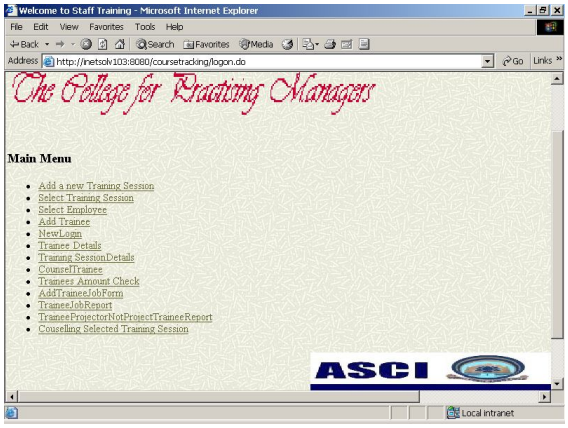


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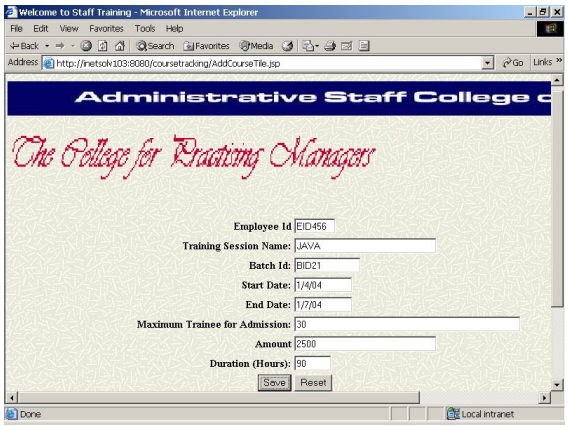


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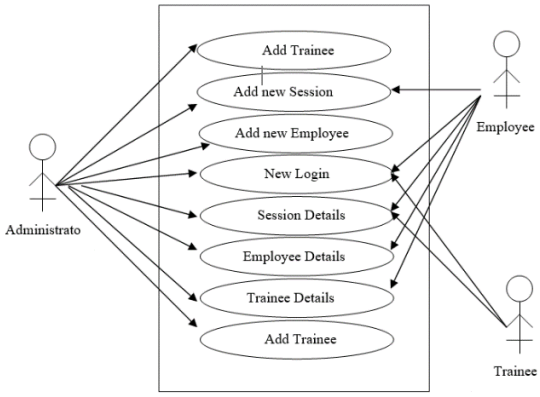


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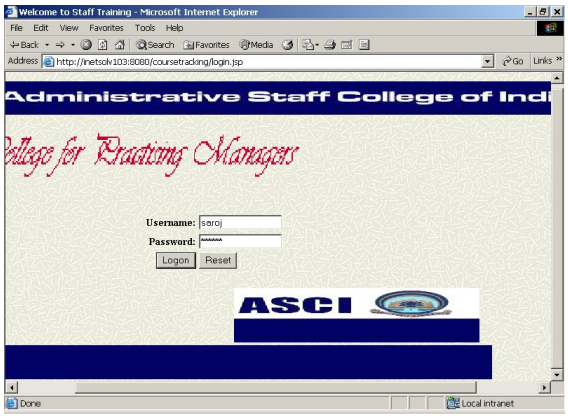


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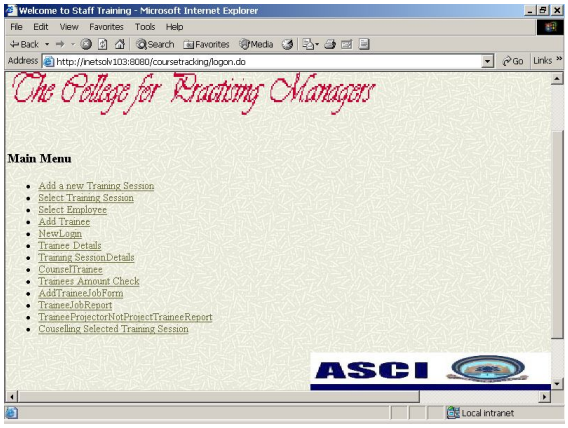


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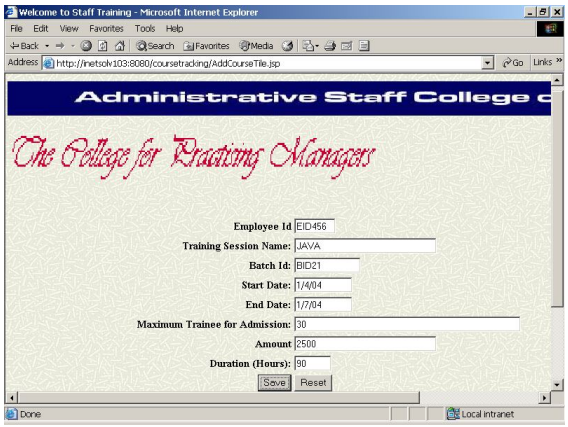


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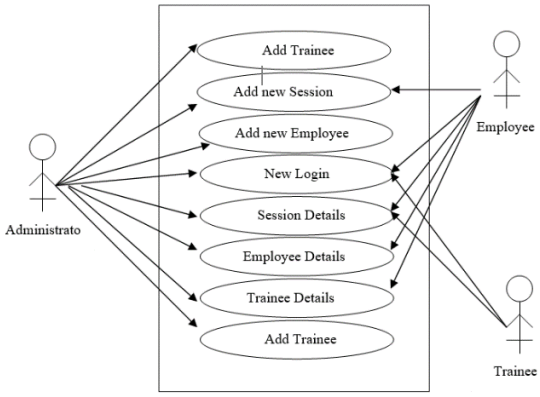


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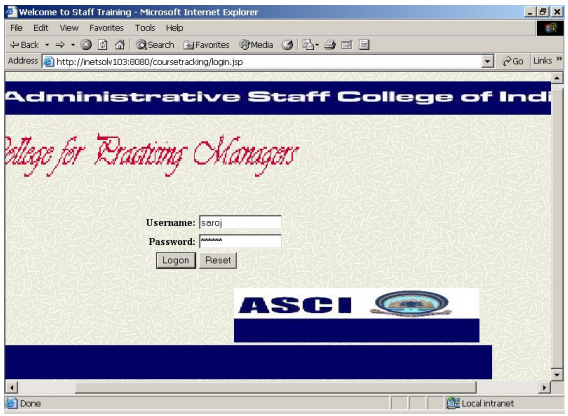


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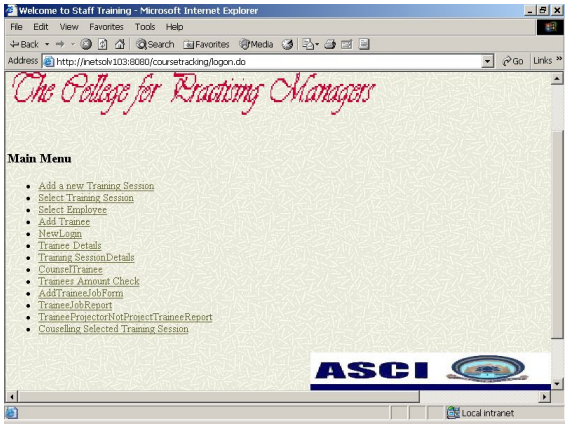


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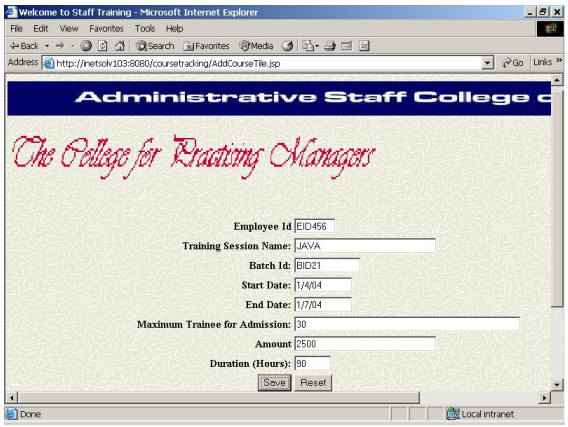


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Employee Training Tracking System

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2.B.N.Srinivasa Gupta

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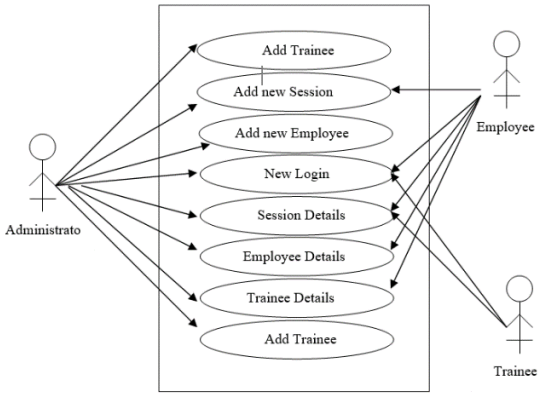


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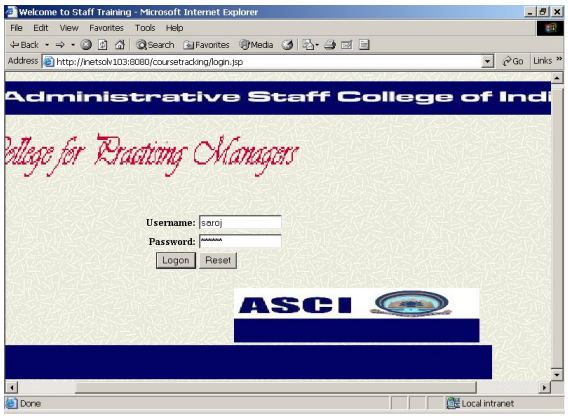


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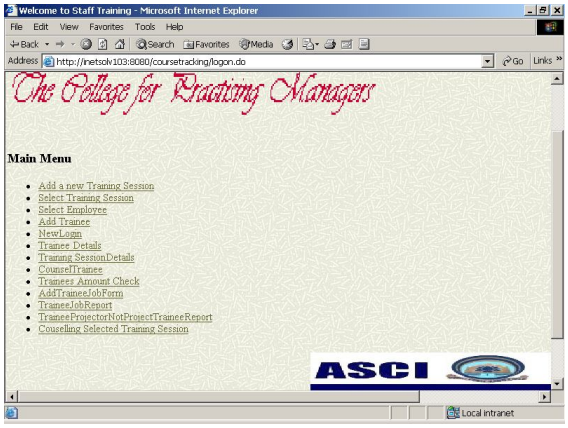


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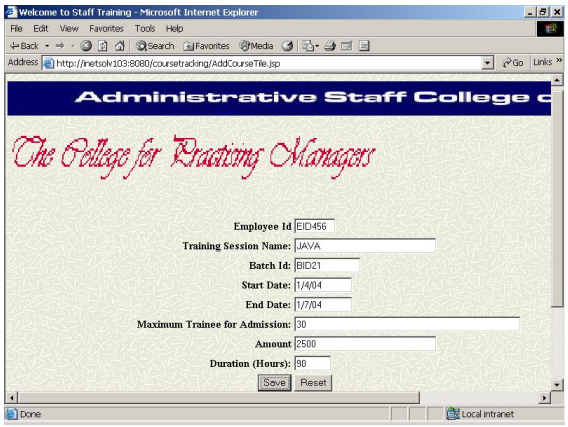


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- This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
- The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
- Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records. Moreover there is restriction for his that he cannot change the primary data field. This keeps the validity of the data to longer extent.
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- Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
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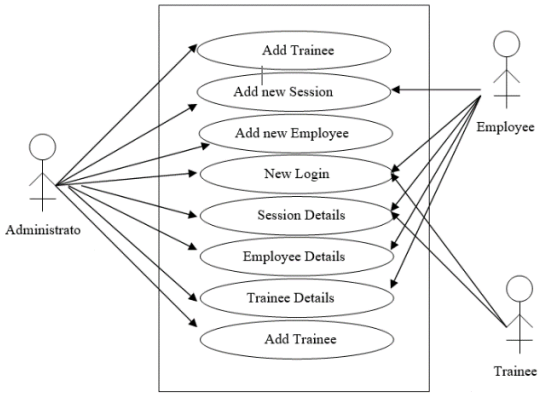


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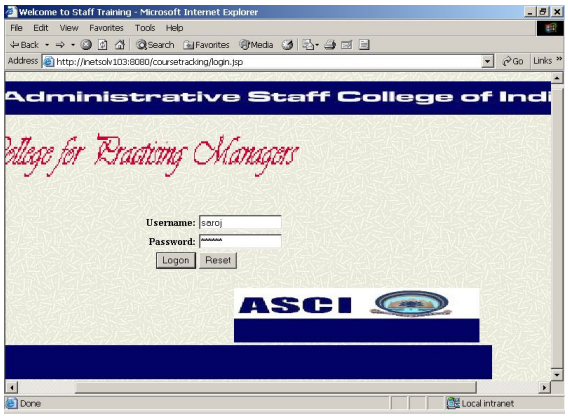


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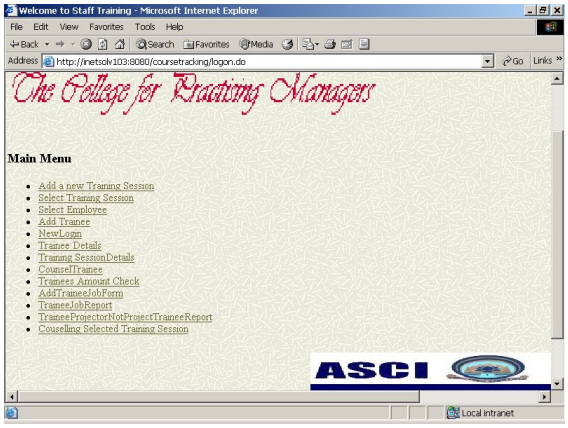


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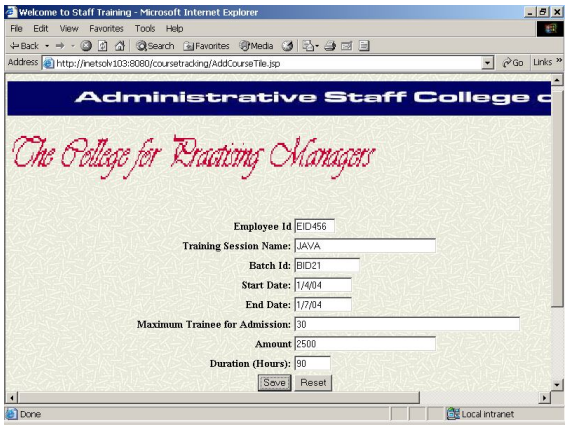


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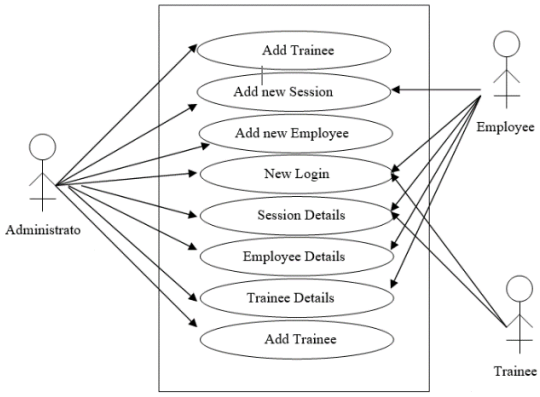


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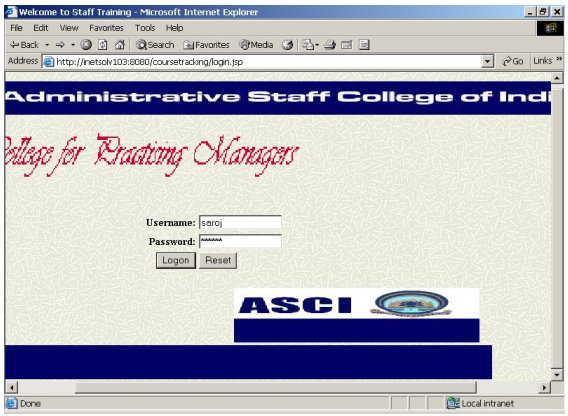


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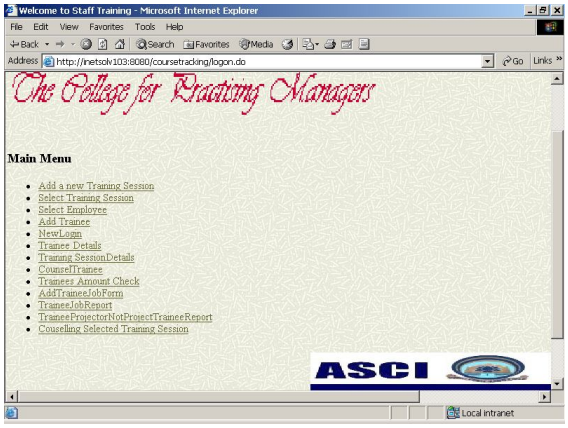


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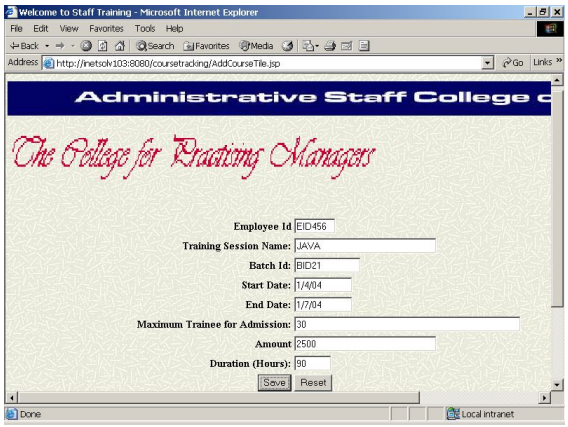


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2.B.N.Srinivasa Gupta

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2. OVERVIEW OF THESYSTEM

Existing System:

When technologies are growing rapidly, the interoperability between applications or components developed in different technologies become an issue. Present trend is web technologies, which allows a user to access the resources from a remote locations. But existing system is not built on web technologies. So to get the benefits of web technologies we have to take the existing system in to web support system i.e. a web based application. With the current system we are unable to operate or use the system from a remote location(from any where). And also it is not accessible by number of users at a same point of time at different locations. Thus the existing system not supporting client/server architecture support and multi-user support.

Proposed System:

The first step of analysis process involves the identification of need. The success of a system depends largely on how accurately a problem is defined, thoroughly investigated and properly carried out through the choice of solution.

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- Employee Training Tracking System is used to keep track of the trainees and employees (staff) details. Lot of effort was put to make it user friendly.
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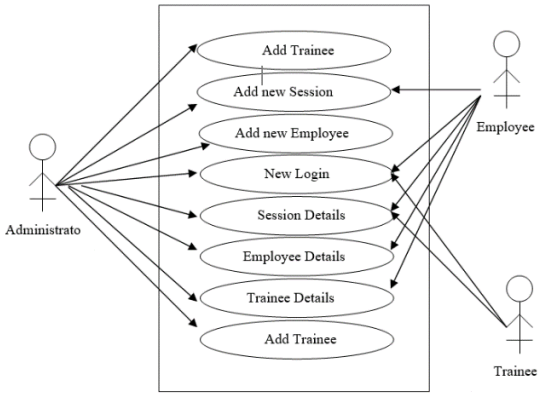


Fig 3.1: UsecaseDiagram

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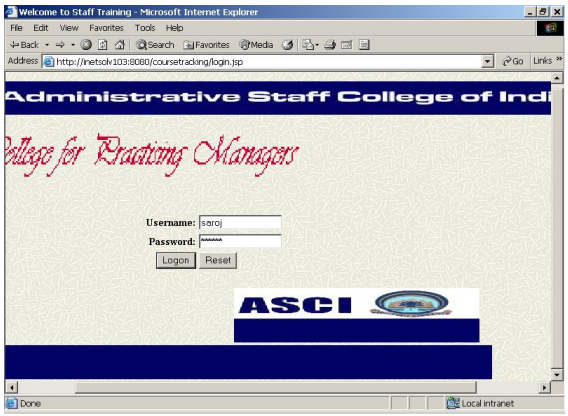


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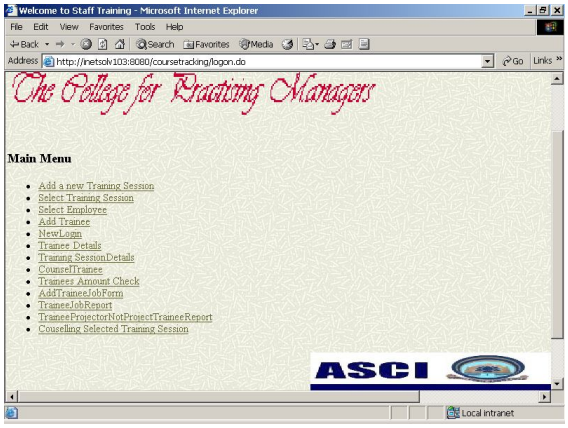


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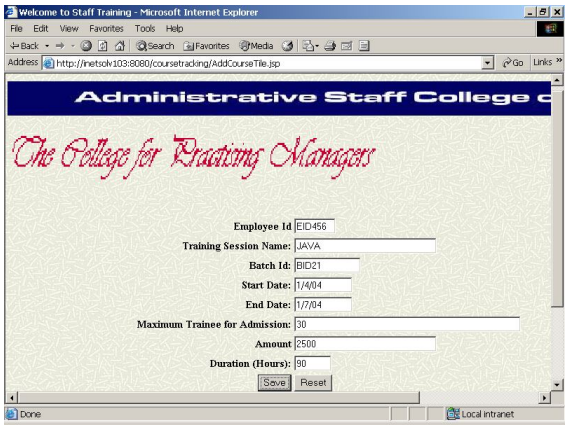


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BENEFITS:

The project is identified by the merits of the system offered to the user. The merits of this project are as follows

- It's a web-enabled project.
- This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
- The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
- Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records. Moreover there is restriction for his that he cannot change the primary data field. This keeps the validity of the data to longer extent.
- User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.
- From every part of the project the user is provided with the links through framing so that he can go from one option of the project to other as per the requirement. This is bound to be simple and very friendly as per the user is concerned. That is, we can sat that the project is user friendly which is one of the primary concerns of any good project.
- Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
- Decision making process would be greatly enhanced because of faster processing of information since data collection from information available on computer takes much less time then manual system.
- Allocating of sample results becomes much faster because at a time the user can see the records of last years.
- Easier and faster data transfer through latest technology associated with the computer and communication.
- Through these features it will increase the efficiency, accuracy and transparency,

LIMITATIONS:

The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

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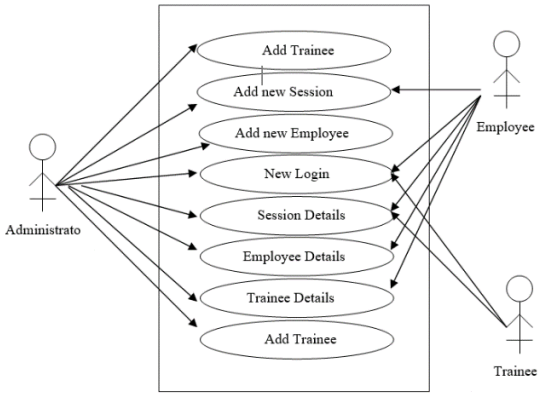


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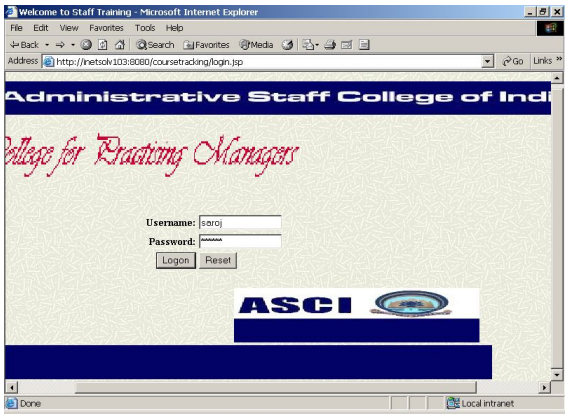


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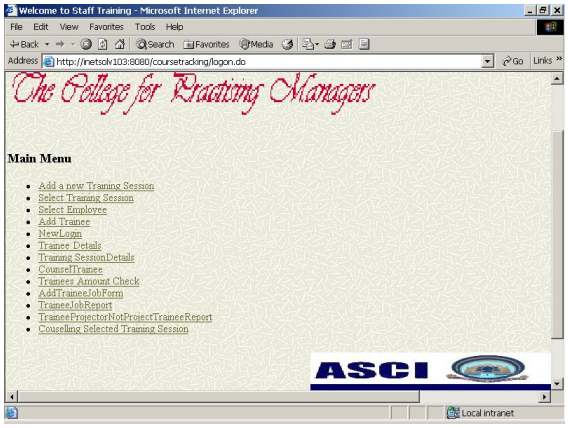


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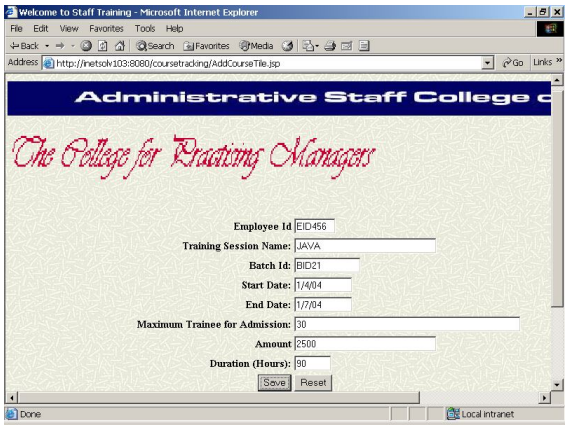


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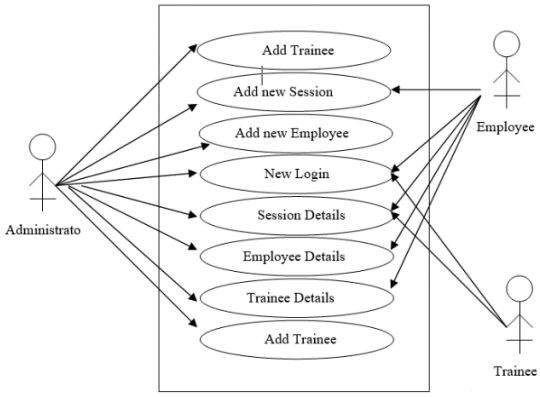


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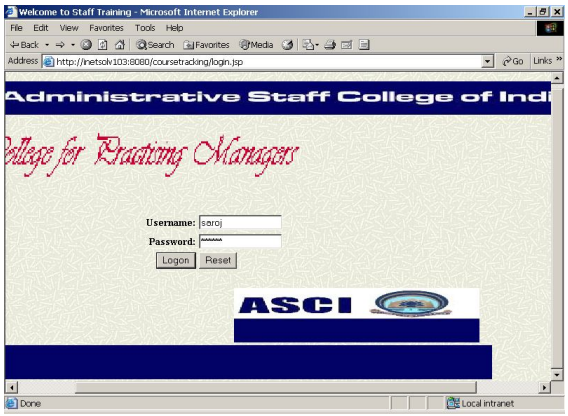


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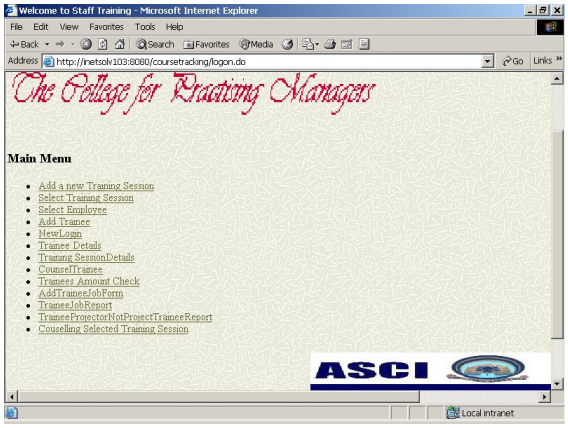


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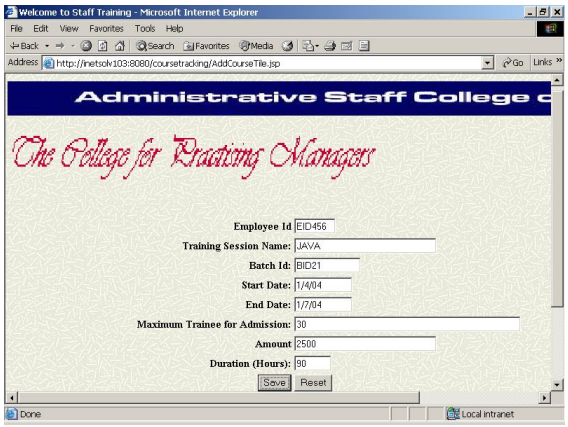


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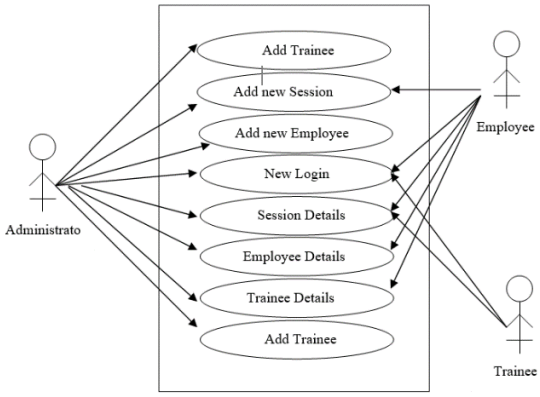


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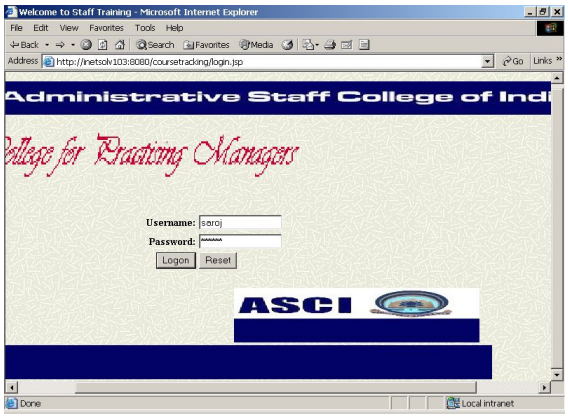


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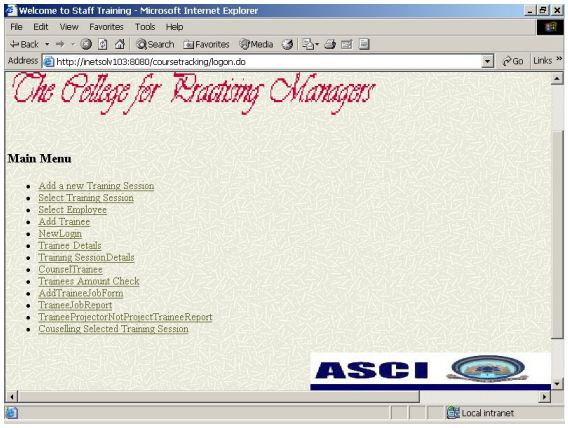


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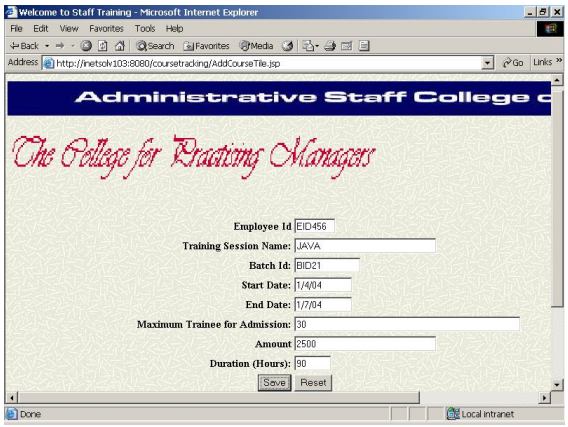


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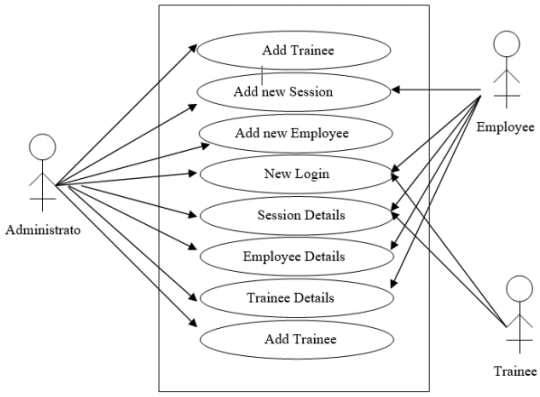


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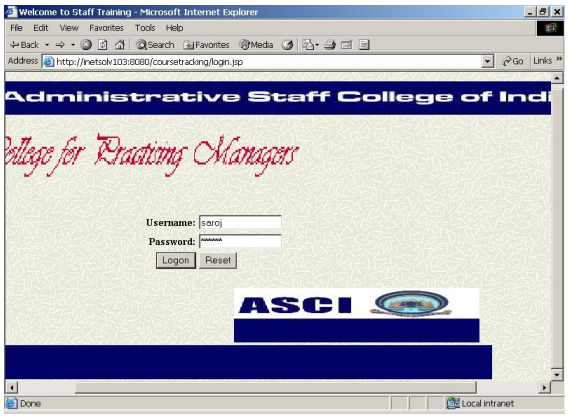


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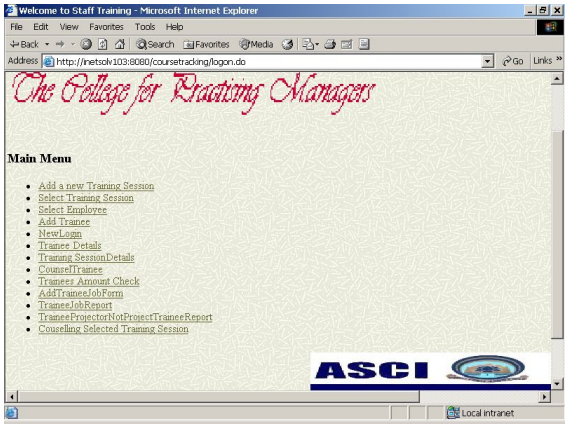


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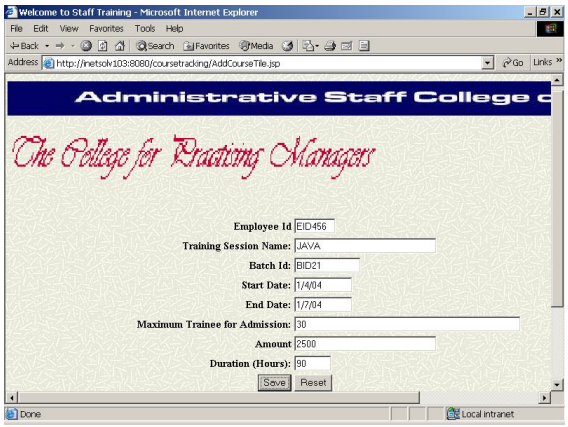


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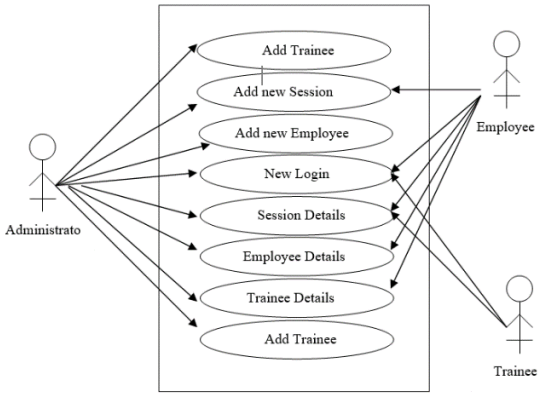


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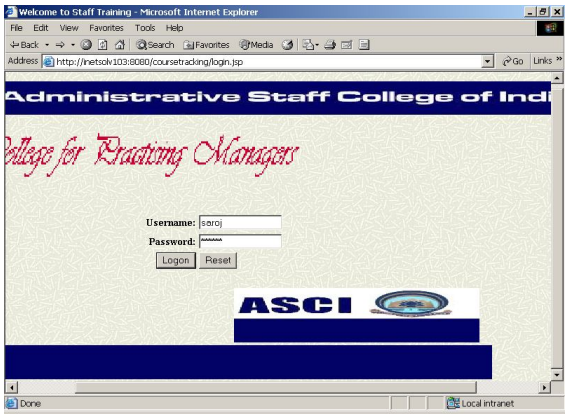


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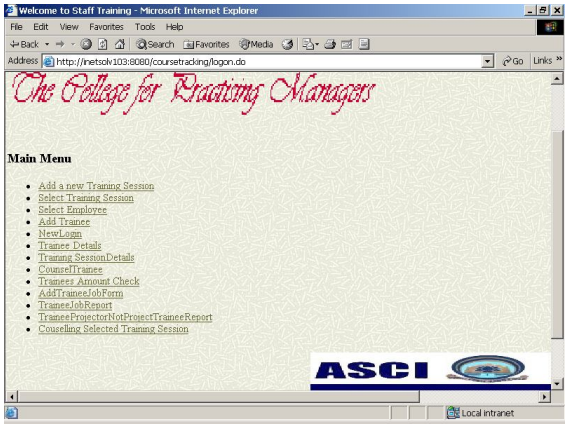


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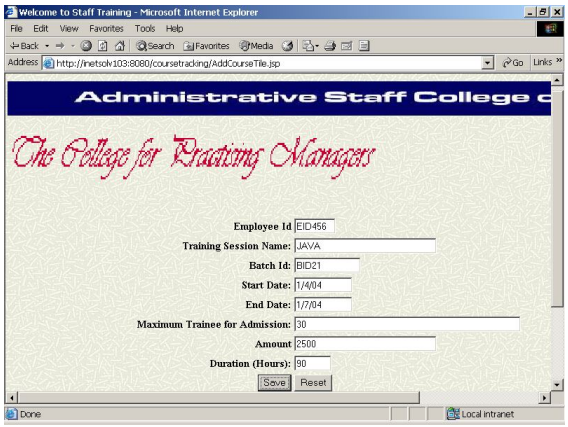


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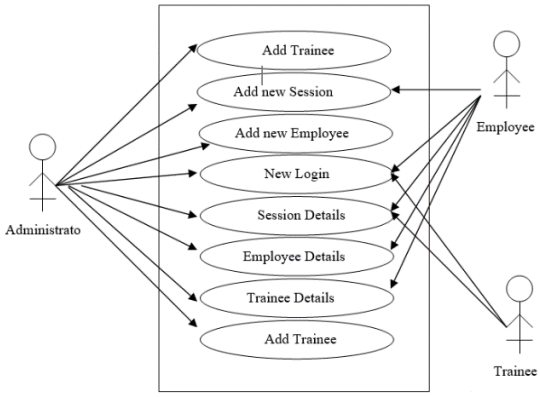


Fig 3.1: UsecaseDiagram

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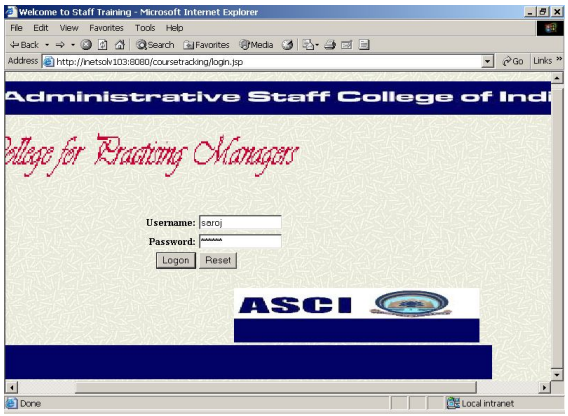


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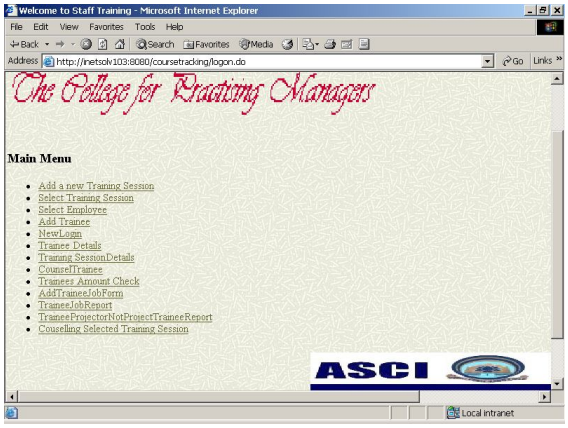


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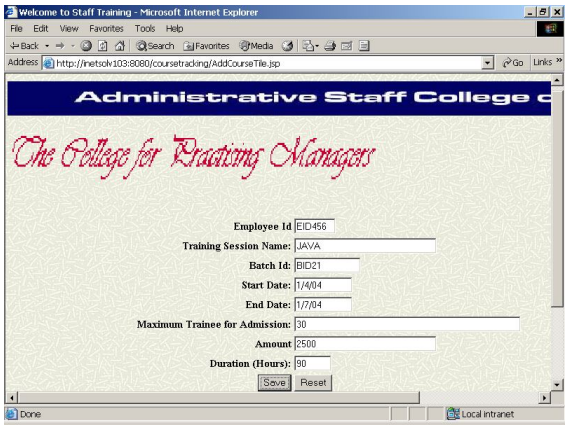


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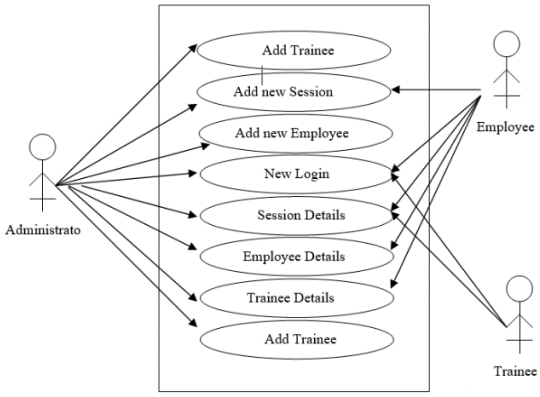


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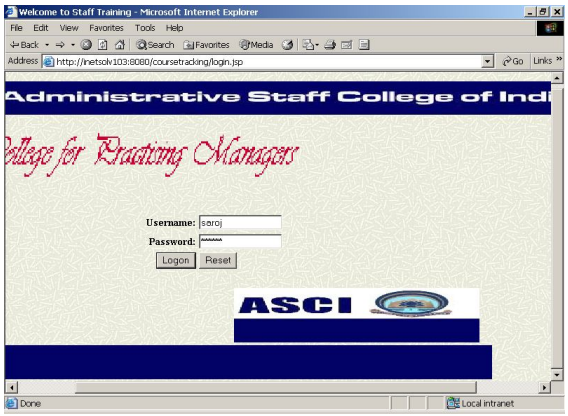


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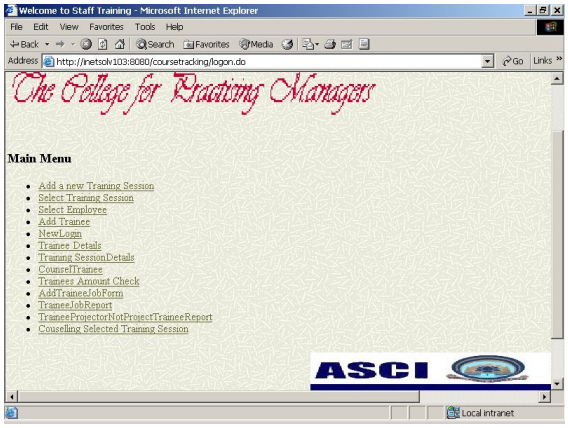


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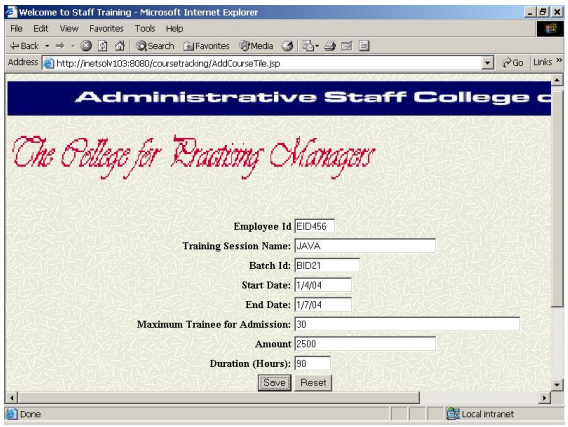


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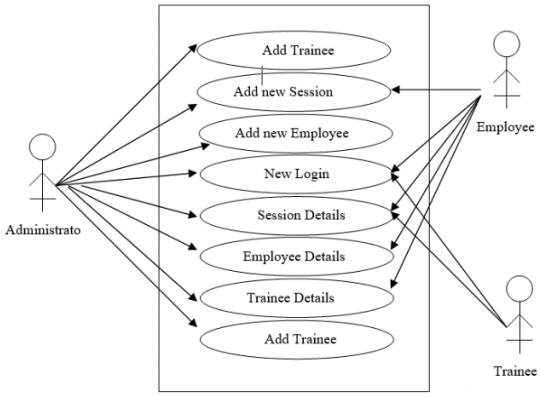


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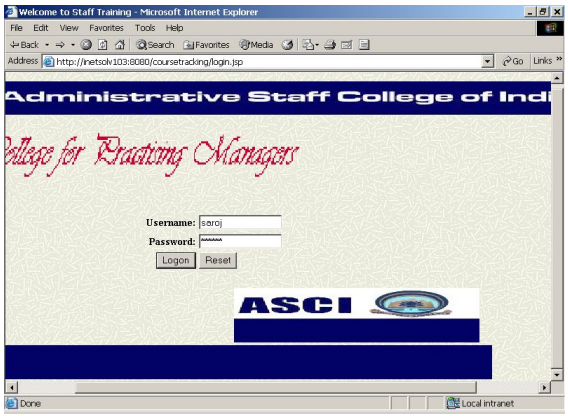


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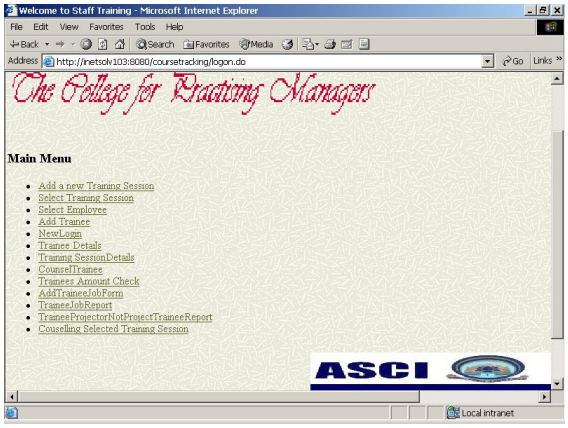


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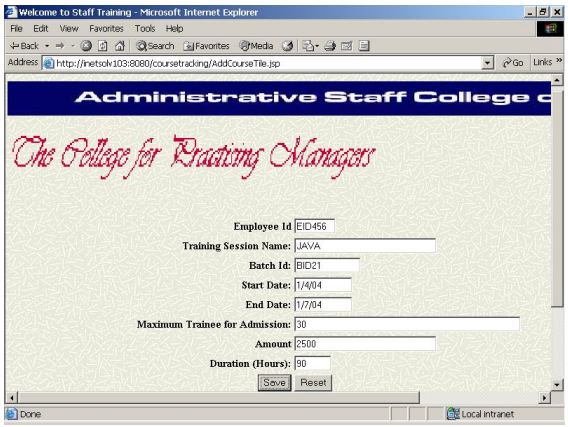


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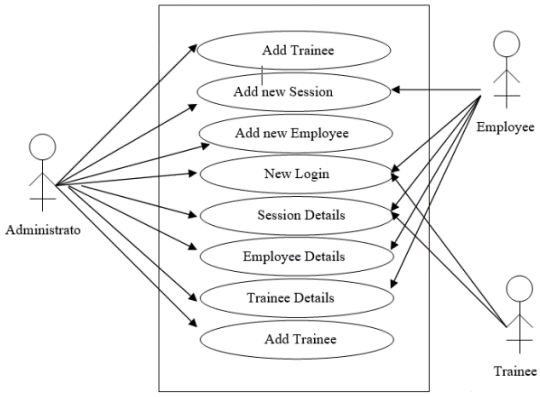


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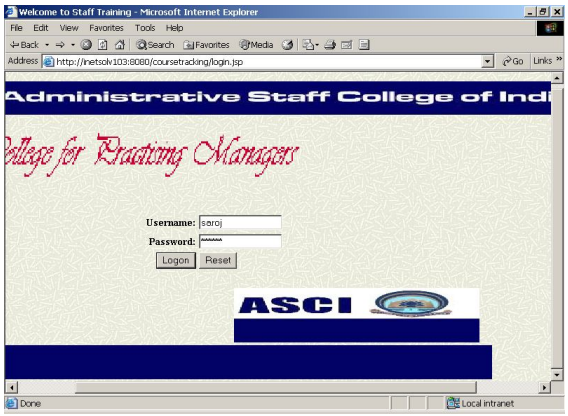


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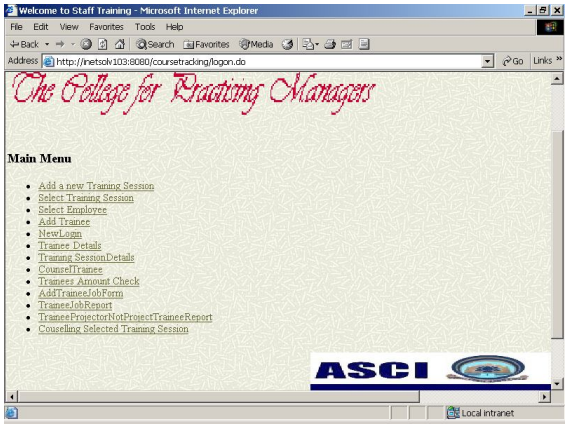


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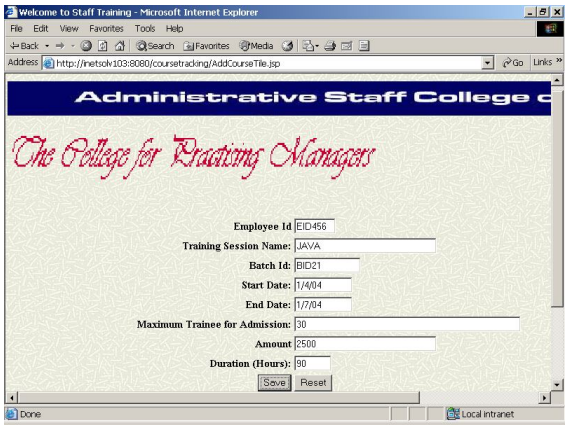


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The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

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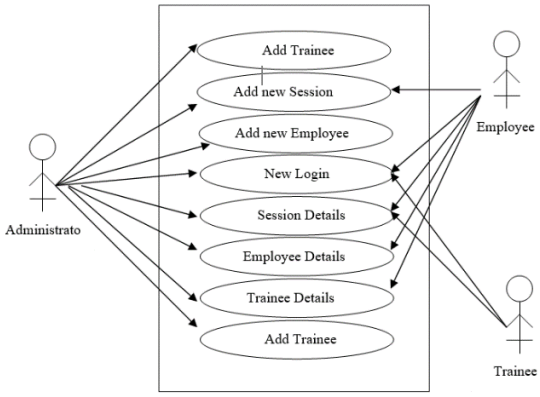


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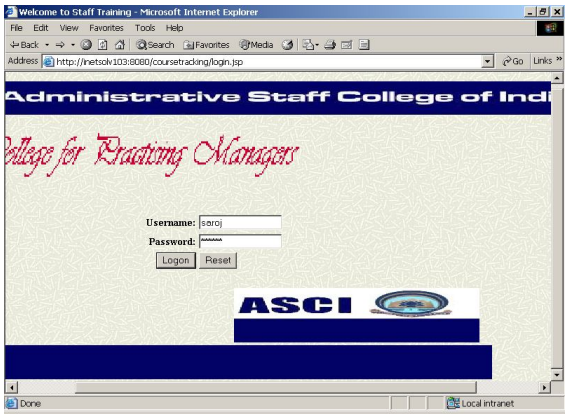


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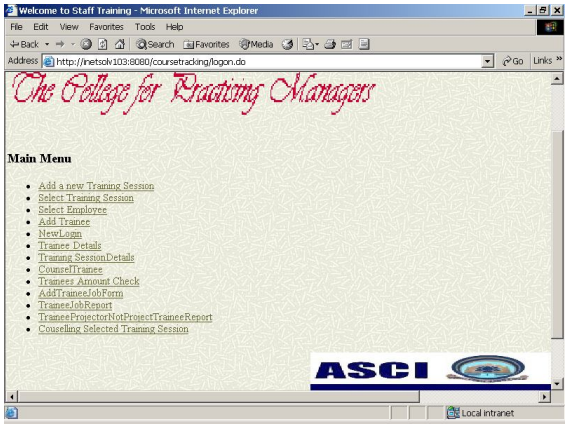


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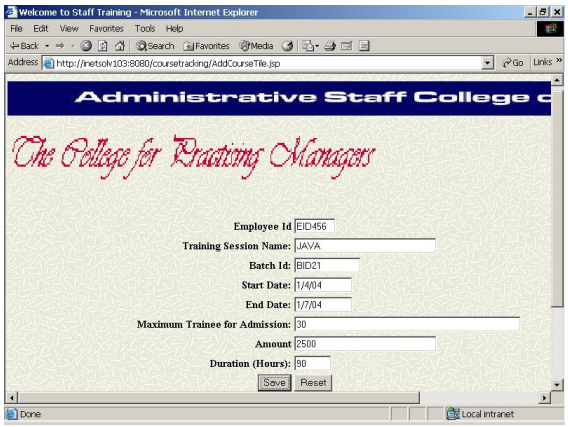


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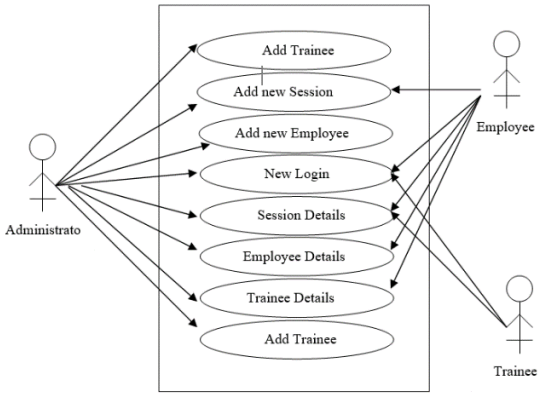


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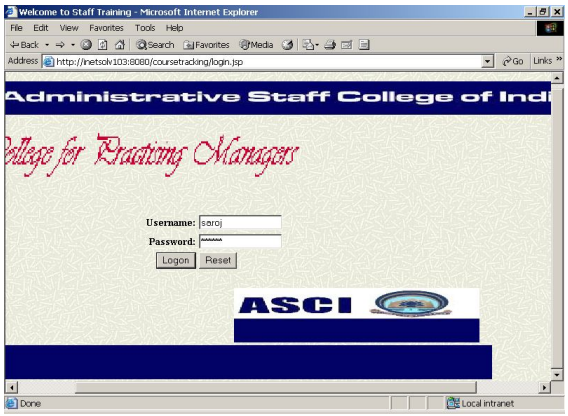


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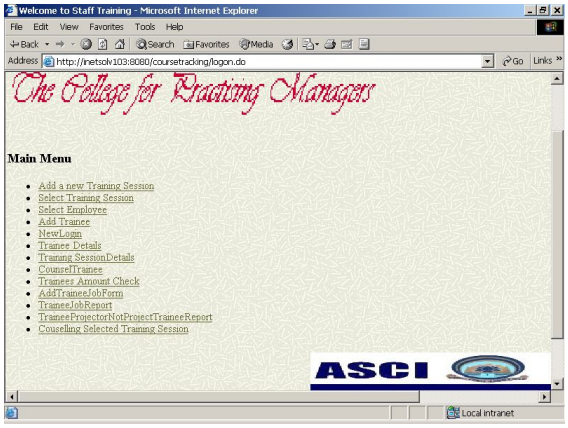


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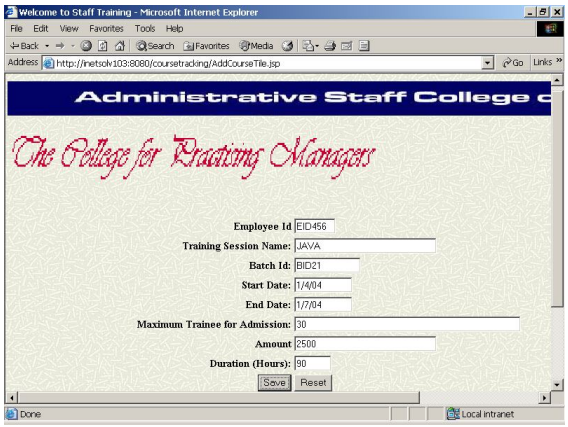


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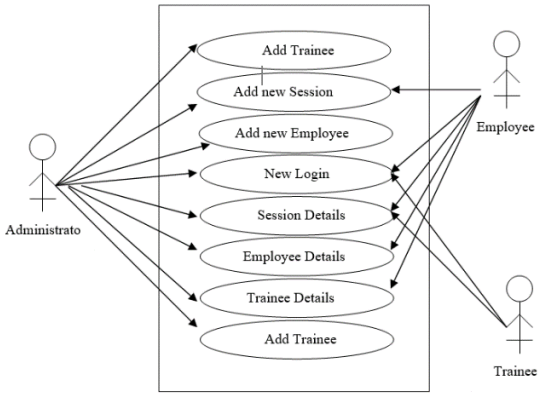


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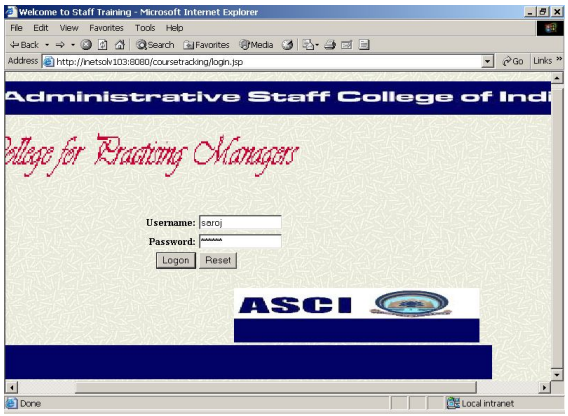


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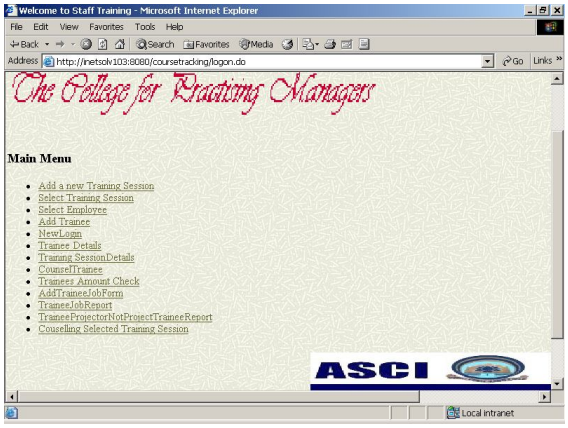


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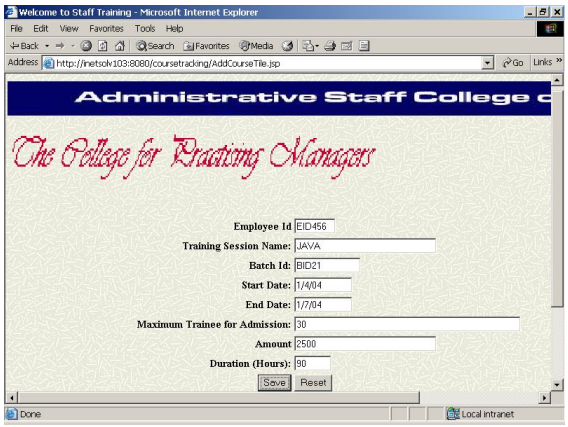


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- Allocating of sample results becomes much faster because at a time the user can see the records of last years.
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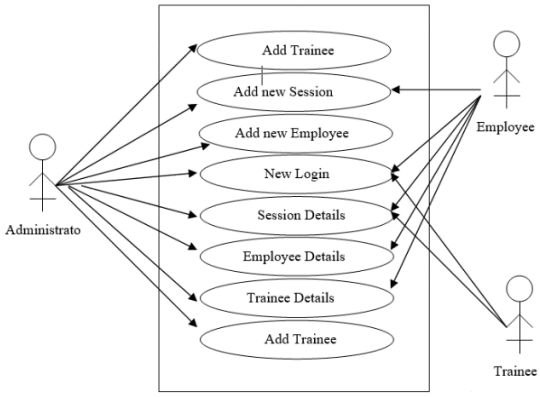


Fig 3.1: UsecaseDiagram

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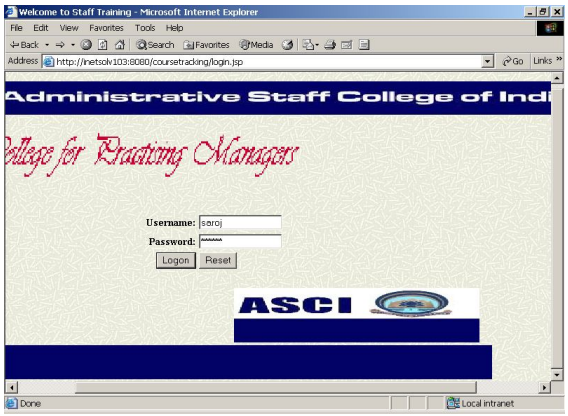


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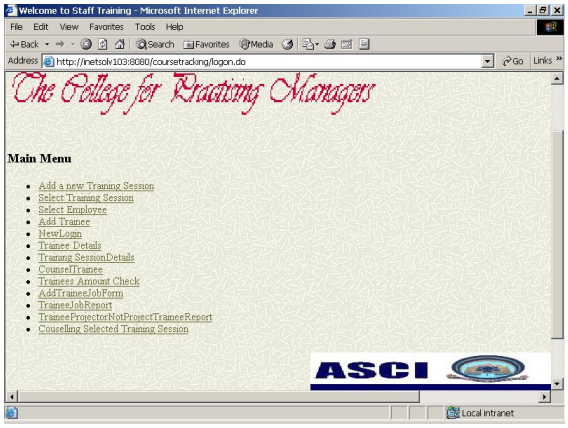


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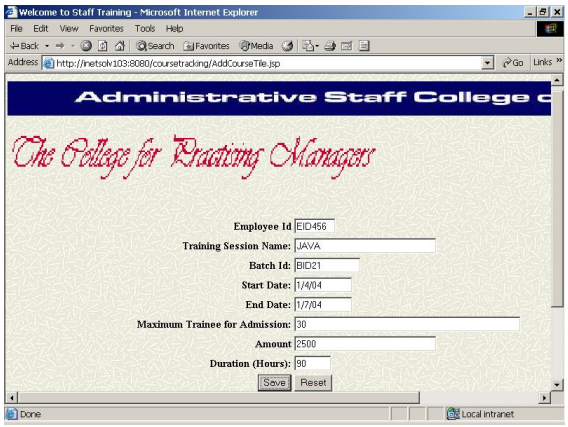


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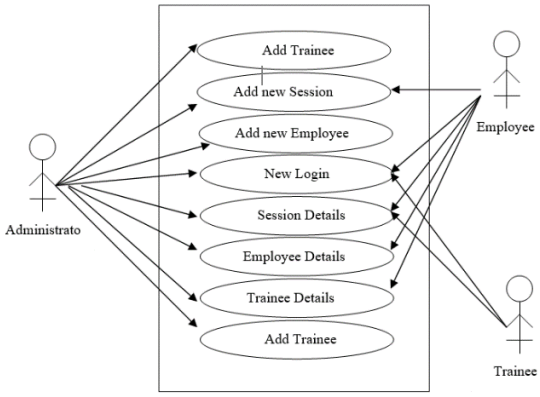


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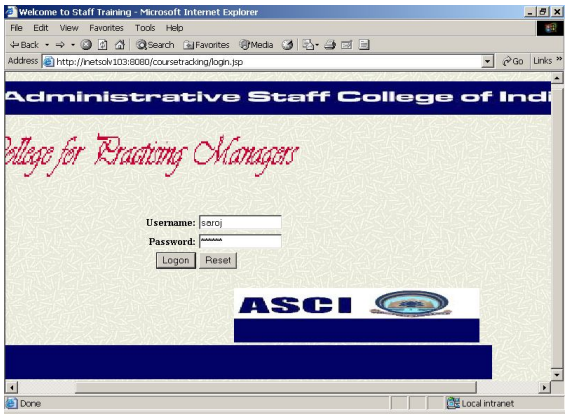


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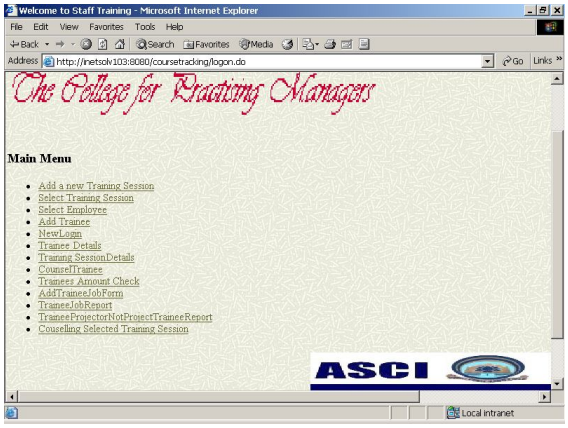


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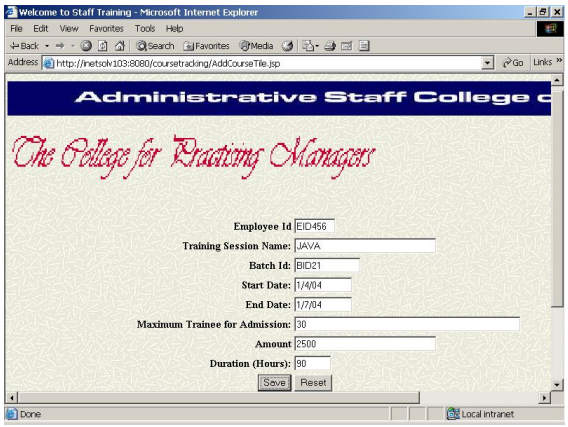


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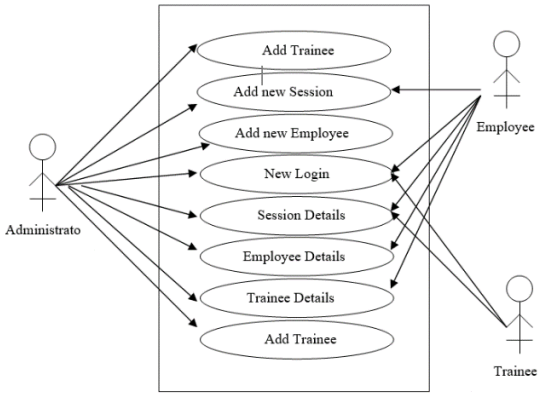


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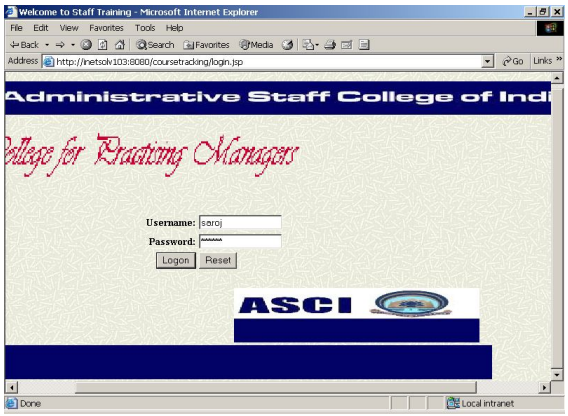


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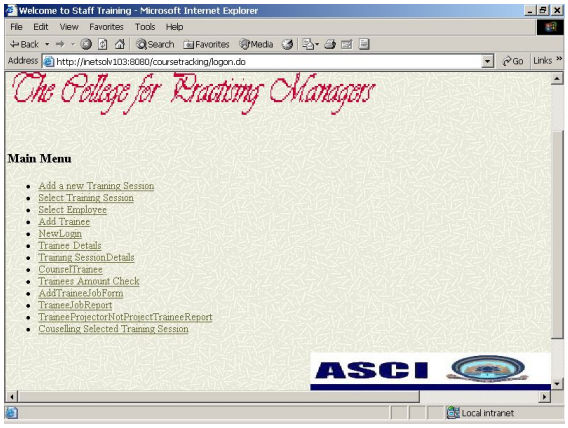


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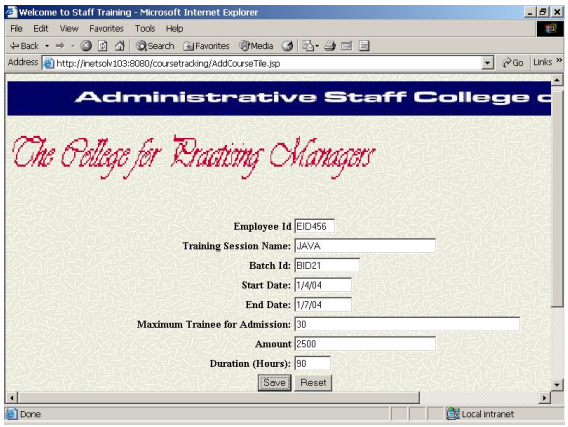


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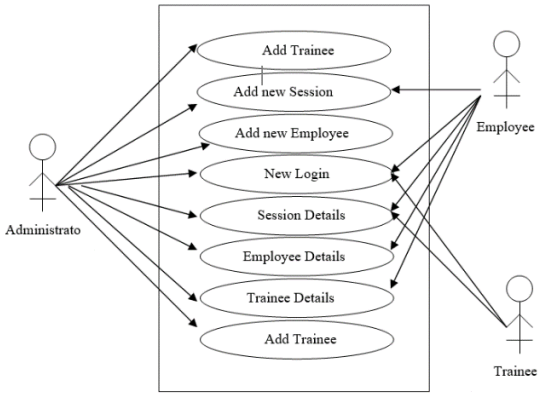


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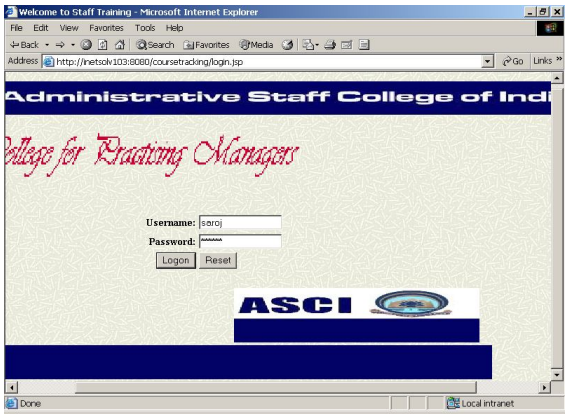


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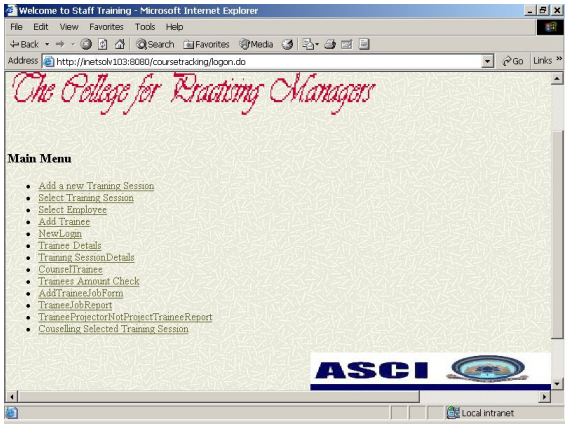


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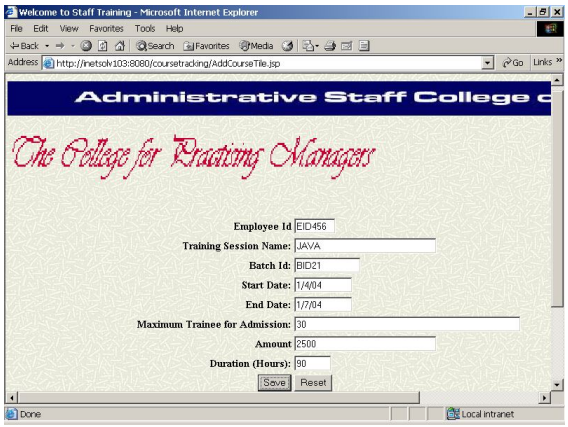


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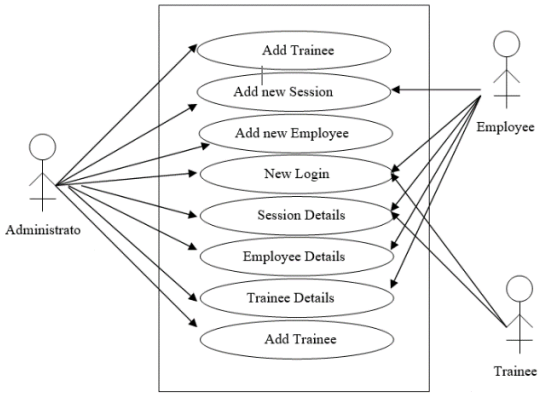


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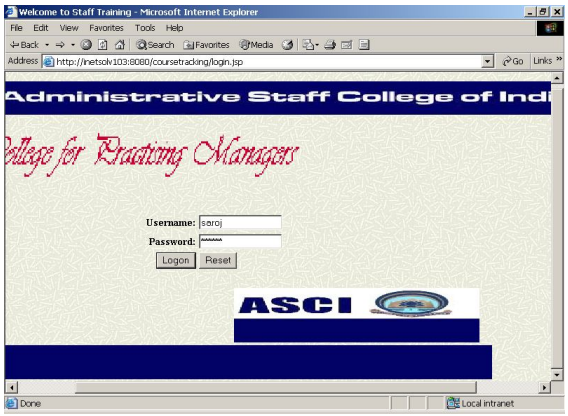


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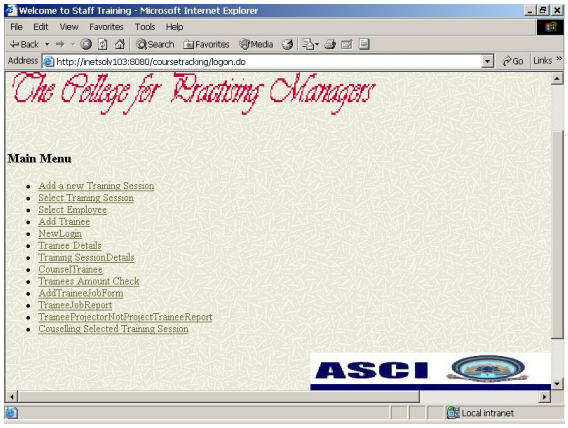


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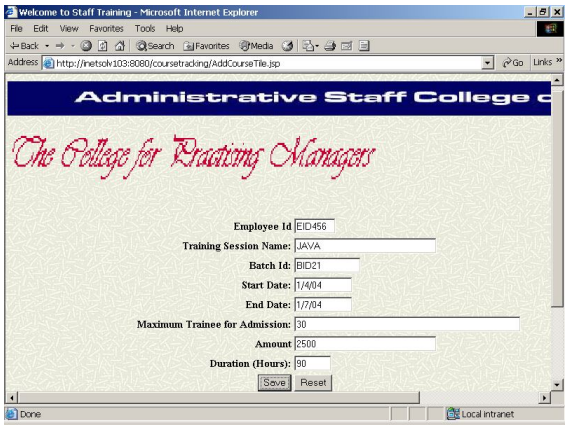


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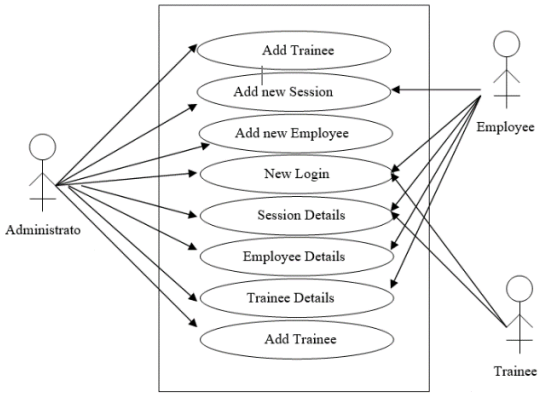


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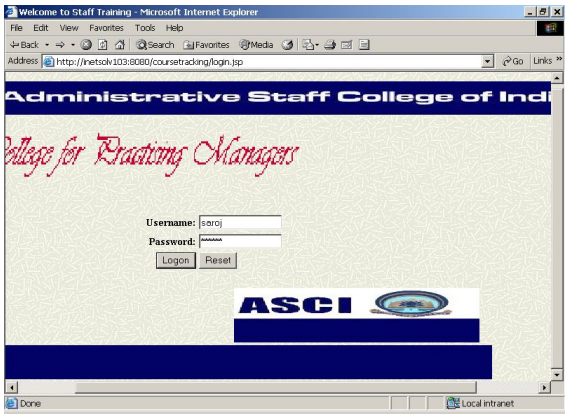


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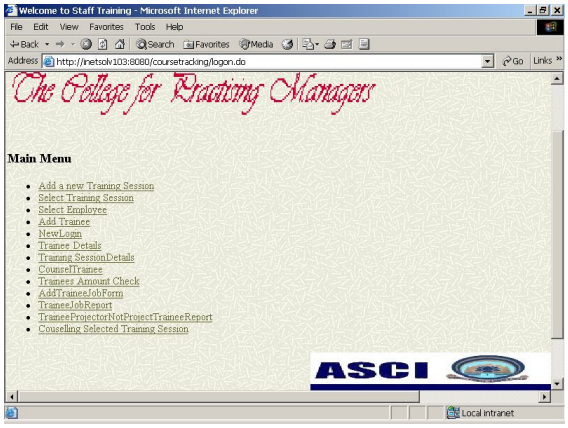


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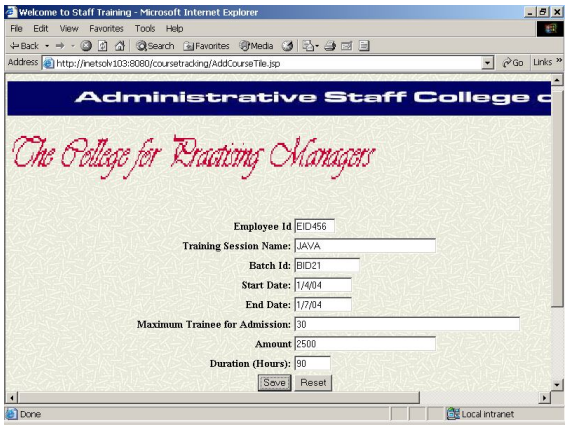


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Training for simple computer operations is necessary for the users working on the system.

6. REFERENCES

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Employee Training Tracking System

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Abstract - When technologies are growing rapidly, the interoperability between multiple applications or components developed in different technologies becomes an issue.

Web related technologies provides a means of interoperability between applications irrespective of their underlying implementations. Employee Training Tracking System will be built on web related technologies. This system is dependent on the architecture of Client/Server technology. The framework used here is MVC pattern**.**

1. INTRODUCTION

ETTS is segregated into five modules, namely

1. Administration for maintaining new sessions
2. Registration (subscription)
3. Trainee-viewing session details, Updating his details
4. Mailing to the specific member
5. Searching about the training information in the ETTS.

Administration:
This module is used to design new sessions, deleting completed session. This ETTS is wholly maintained by the admin.

Registrations:

This module deals with the registration of the Trainee and existing employees. Registered trainee will have a trainee ID, which is used to authenticate details of particular session and personal details.

Trainee:
This module provides the facilities like entering into trainee login and viewing the mails, his personal skills and update his profile. These are some of the facilities that we are providing in trainee login.

Mail Service:

This module is used to provide mailing service to the subscribers and to the administration and here an automated tool is responsible for transferring the mails. This

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service depends on SMTP and POP3 servers.

Searching:
This module is searching about the training details in the ETTS system. This service is given to only the authorized users.

Technologies used:

Servlets, JSP, Struts, JavaMailAPI, James Server, Oracle8i, Apache Tomcat 4x.

A project titled, "**EMPLOYEE TRAINING TRACKING SYSTEM"** is proposed to be developed with WINDOWS-2000 Server as the operating system and JSPs, Servlets on Struts Frame Work. This package will have provision for keep track of employee-training details with the help of web-based technologies. So we can operate this application from remote place.

2. OVERVIEW OF THESYSTEM

Existing System:

When technologies are growing rapidly, the interoperability between applications or components developed in different technologies become an issue. Present trend is web technologies, which allows a user to access the resources from a remote locations. But existing system is not built on web technologies. So to get the benefits of web technologies we have to take the existing system in to web support system i.e. a web based application. With the current system we are unable to operate or use the system from a remote location(from any where). And also it is not accessible by number of users at a same point of time at different locations. Thus the existing system not supporting client/server architecture support and multi-user support.

Proposed System:

The first step of analysis process involves the identification of need. The success of a system depends largely on how accurately a problem is defined, thoroughly investigated and properly carried out through the choice of solution.

This application has been developed in order to overcome the difficulties encountered while using the existing system. JSPs, Servlets, and Struts are some of web technologies. By using these technologies we bring the existing system in to proposed system which is web application. With this new system a user can operate the system from a remote location also. Here users to our system are all employees, trainees and any third person. Simply this new system sets all the problems that are arise when use a standalone system

Project Scope and Objectives:

- Employee Training Tracking System is used to keep track of the trainees and employees (staff) details. Lot of effort was put to make it user friendly.
- Optimum utilization of tool is possible. All basic features are provided.

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- Reduces the user interaction work.
- The wastage of time is reduced.
- It also helps in optimum distribution of funds by the management among user groups for procurement of new equipment.
- More flexible it means user(administrator)can access and work with the system from any where

3.SYSTEMDESIGN

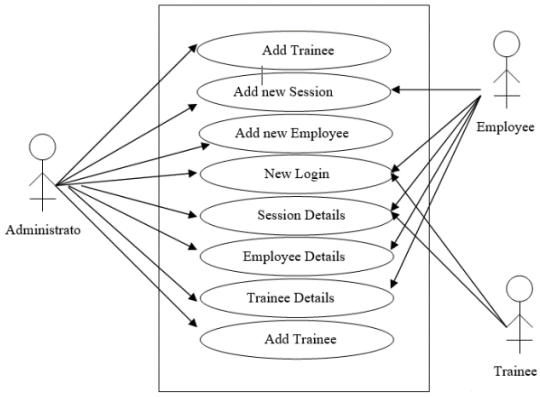


Fig 3.1: UsecaseDiagram

4. OUTPUT SCREEN SHOTS

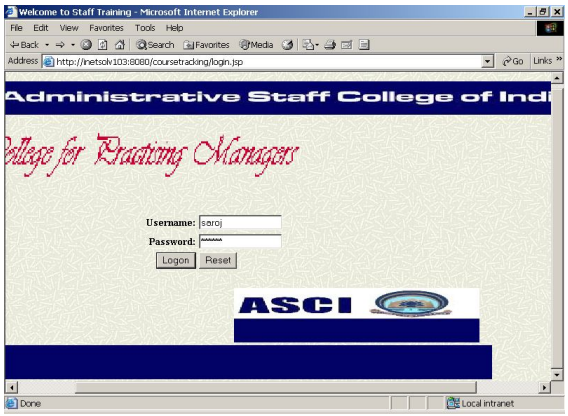


Fig 4.1:Home Page

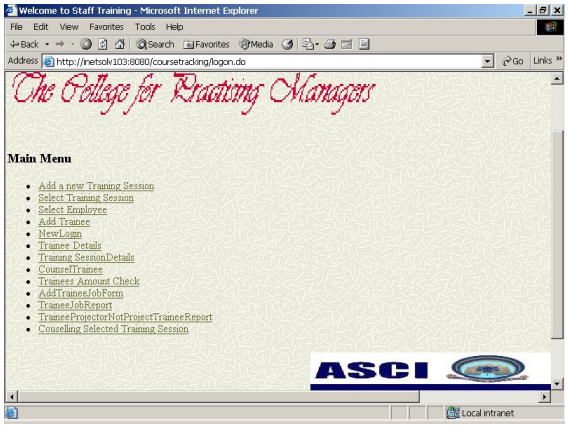


Fig4.2: Form Page

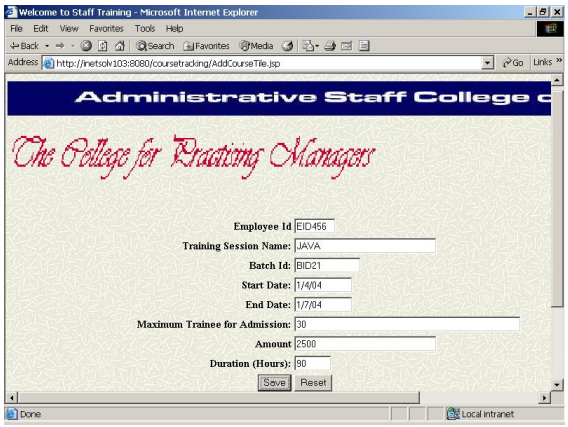


Fig 4.3: employee Registration Page

5. CONCLUSION AND FUTURE ENHANCEMENT

It has been a great pleasure for me to work on this exciting and challenging Online application for the Employee Training Tracking Systemproject.It also provides knowledge about the latest technology used in developing web enabled application and client server technology that will be great demand in future. This will provide better opportunities and guidance in future in

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developing projects independently.

BENEFITS:

The project is identified by the merits of the system offered to the user. The merits of this project are as follows

- It's a web-enabled project.
- This project offers user to enter the data through simple and interactive forms. This is very helpful for the client to enter the desired information through so much simplicity.
- The user is mainly more concerned about the validity of the data, whatever he is entering. There are checks on every stages of any new creation, data entry or updating so that the user cannot enter the invalid data, which can create problems at later date.
- Sometimes the user finds in the later stages of using project that he needs to update some of the information that he entered earlier. There are options for him by which he can update the records. Moreover there is restriction for his that he cannot change the primary data field. This keeps the validity of the data to longer extent.
- User is provided the option of monitoring the records he entered earlier. He can see the desired records with the variety of options provided by him.
- From every part of the project the user is provided with the links through framing so that he can go from one option of the project to other as per the requirement. This is bound to be simple and very friendly as per the user is concerned. That is, we can sat that the project is user friendly which is one of the primary concerns of any good project.
- Data storage and retrieval will become faster and easier to maintain because data is stored in a systematic manner and in a single database.
- Decision making process would be greatly enhanced because of faster processing of information since data collection from information available on computer takes much less time then manual system.
- Allocating of sample results becomes much faster because at a time the user can see the records of last years.
- Easier and faster data transfer through latest technology associated with the computer and communication.
- Through these features it will increase the efficiency, accuracy and transparency,

LIMITATIONS:

The size of the database increases day-by-day, increasing the load on the database back up and data maintenance activity.

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