

Student attendance Management

Mrs.Dhanashree Amit Gupta

Teerthanker Mahaveer University

NH-24, Bagarpur, Delhi Road Moradabad-244001(U.P.) India

Table of Contents

1. Synopsis
2. Feasibility Study
3. Working of Present System
4. Characteristics of the Proposed System
5. Data Tables
6. Entity Relationship Diagram
7. Screen Shots of Form
8. Conclusion
9. Bibliography

Synopsis

Attendance Management System

Introduction:-

Attendance Management System is a software developed for daily student attendance in schools, colleges and institutes. It facilitates to access the attendance information of a particular student in a particular class. The information is sorted by the operators, which will be provided

by the teacher for a particular class. This system will also help in evaluating attendance eligibility criteria of a student.

Purpose:-

The purpose of developing attendance management system is to computerized the tradition way of taking attendance. Another purpose for developing this software is to generate the report automatically at the end of the session or in the between of the session

Scope:-

The scope of the project is the system on which the software is installed, i.e. the project is developed as a desktop application, and it will work for a particular institute. But later on the project can be modified to operate it online. Attendance Management System

Technology Used:-

Language:-ASP.NET

Backend:-SQL

System Requirement:-

Minimum RAM:-256 MB

Hard Disk:-40 GB

Processor:-Intel Pentium 4

Operating System:-Windows XP Service Pack2

Overview:-

Attendance Management System basically has two main modules for proper functioning

●●First module is admin which has right for creating space for new batch. Any entry of new faculty, Updating in subject if necessary, and sending notice.

●●Second module is handled by the user which can be a faculty or an operator. User has a right of making daily attendance, generating report. Attendance can be taken in two ways:

●●On the basis of Subject and month. Attendance Management System

●●On the basis of Class.

Feasibility Study:-

Economically Feasibility:

The system being developed is economic with respect to School or Collage's point of view. It is cost effective in the sense that has eliminated the paper work completely. The system is also time effective because the calculations are automated which are made at the end of the month or as per the user requirement. The result obtained contains

minimum errors and are highly accurate as the data is required.

Technical feasibility:

The technical requirement for the system is economic and it does not use any other additional Hardware and software.

Behavioral Feasibility:

The system working is quite easy to use and learn due to its simple but attractive interface. User requires no special training for operating the system.

Working of Present System

In the present system all work is done on paper. The whole session attendance is stored in register and at the end of the session the reports are generated. We are not interested in generating report in the middle of the session or as per the requirement because it takes more time in calculation. At the end of session the students who don't have 75% attendance get a notice.

DISADVANTAGES OF PRESENT WORKING SYSTEM

Not User Friendly: The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently.

Difficulty in report generating: We require more calculations to generate the report so it is generated at the end of the session. And the student not get a single chance to improve their attendance

Manual control: All calculations to generate report is done manually so there is greater chance of errors.

Lots of paperwork: Existing system requires lot of paper work. Loss of even a single register/record led to difficult

situation because all the papers are needed to generate the reports.

Time consuming: Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.

CHARACTERSTIC OF THE PROPOSED SYSTEM

User Friendly: - The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

Reports are easily generated: reports can be easily generated in the proposed system so user can generate the report as per the requirement (monthly) or in the middle of the session. User can give the notice to the students so he/she become regular.

Very less paper work: The proposed system requires very less paper work. All the data is feted into the computer immediately and reports can be generated through computers.

Moreover work becomes very easy because there is no need to keep data on papers.

Computer operator control: Computer operator control will be there so no chance of errors. Moreover storing and retrieving of information is easy. So work can be done speedily and in time.

Data Base Table

Login Table:-

| S.No | Field Name | Data Types | Discription |
|------|------------|-------------|--|
| 1. | User Name | Varchar(30) | Store user name for checking correct Username (not Null) |
| 2, | Password | Varchar(30) | Store password corresponding to sername(Not Null) |

Attendance Table:-

| S.No | Field Name | Data Types | Discription |
|------|-------------|-------------|-----------------------------------|
| 1. | Adate | Datetime | Store date and time of the period |
| 2. | Week No. | int | Store the week number |
| 3. | Periode No. | Int | Store period number |
| 4. | Fcode | Varchar(10) | Store the faculty code |

| | | | |
|----|---------------|-------------|---|
| 5. | Admno. | Int | Admission form number |
| 6. | Status | Char(1) | Status of the student means absent or present or on leave |
| 7. | remark | Varchar(50) | It will give remark of the student that he is on leave or not |

| | | | |
|----|-----------------|-------------|--|
| 1. | Week no. | Int | This will store the week number of the attendance of the student |
| 2. | bcode | Int | Used to store the batch code |
| 3. | Periode | Int | Used to store the period number |
| 4. | Fcode | Varchar(10) | Used to store the faculty code |
| 5. | scode | Varchar(10) | Used to store the Subject Code |

Batches Table:-

| S.No | Field Name | Dat Types | Discription |
|------|----------------|-------------|---|
| 1. | Bcode | Int | It stores the batch code |
| 2. | Course | Varchar(50) | Use to store the student stream |
| 3. | Sem No. | Int | Used to store the semester of the student |

Student Table:-

| S.No | Field Name | Data Types | Discription |
|------|--------------|-------------|---|
| 1. | Admno | Int | Used to hold the student admission number |
| 2. | Bcode | Int | Used to hold Student Batch Code |
| 3. | sname | Varchar(50) | Used to store student name. |

Faculty Table:-

| S.No | Field Name | DataTypes | Discription |
|------|--------------|-------------|--|
| 1. | Fcode | Varcahr(10) | Used to store faculty code |
| 2. | Pwd | Varchar(10) | Used to store Password of faculty |
| 3. | Fname | Varchar(50) | Used to store faculty name |
| 4. | dept | Varchar(50) | Used to store faculty from which department. |

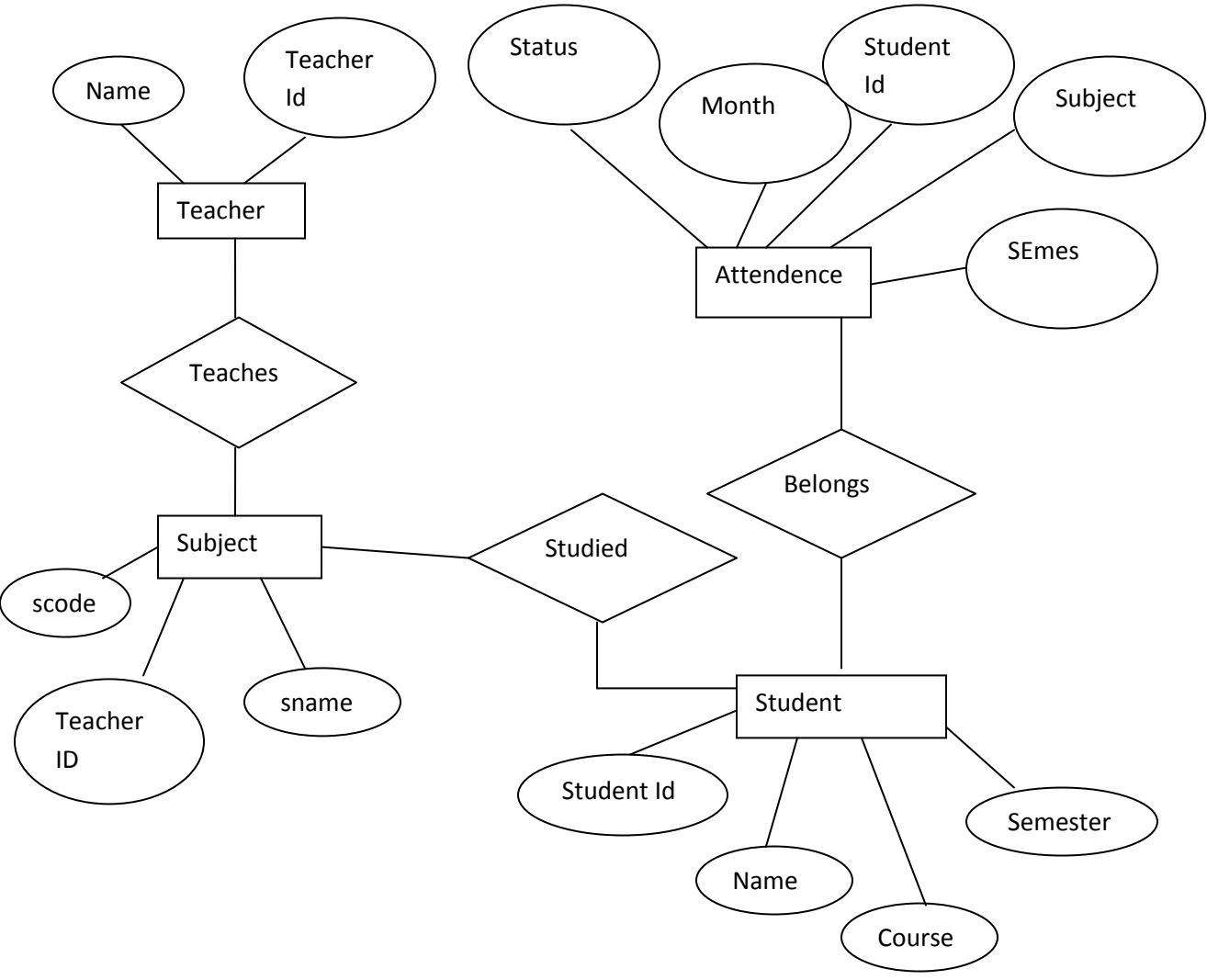
Subject Table:-

| S.No | Field Name | Data Types | Discription |
|------|--------------|-------------|----------------------------|
| 1. | Scode | Varchar(10) | Used to store subject code |
| 2. | sname | Varchar(50) | Usedto store subject name |

Schedule Table:-

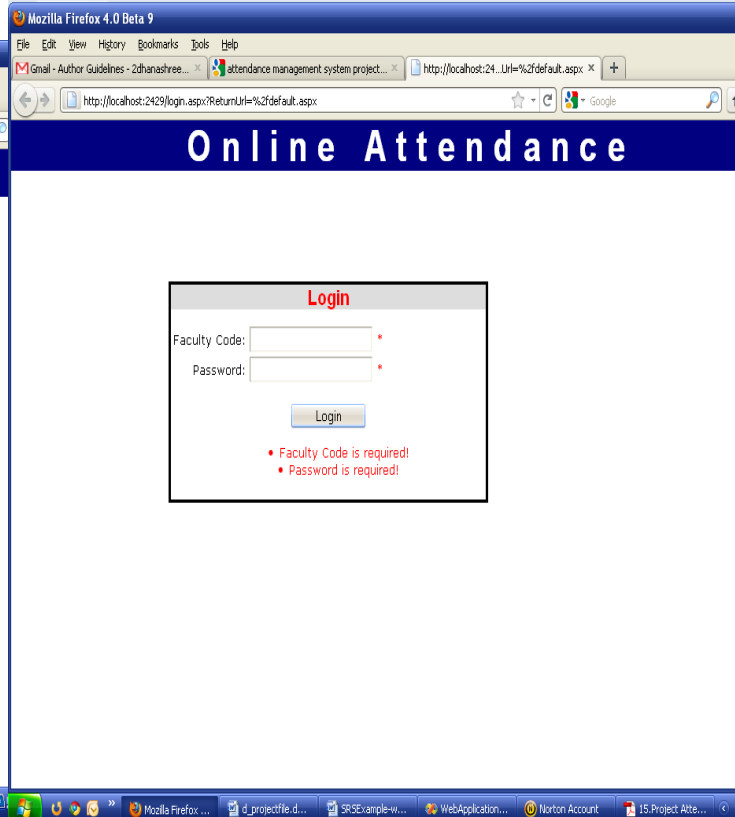
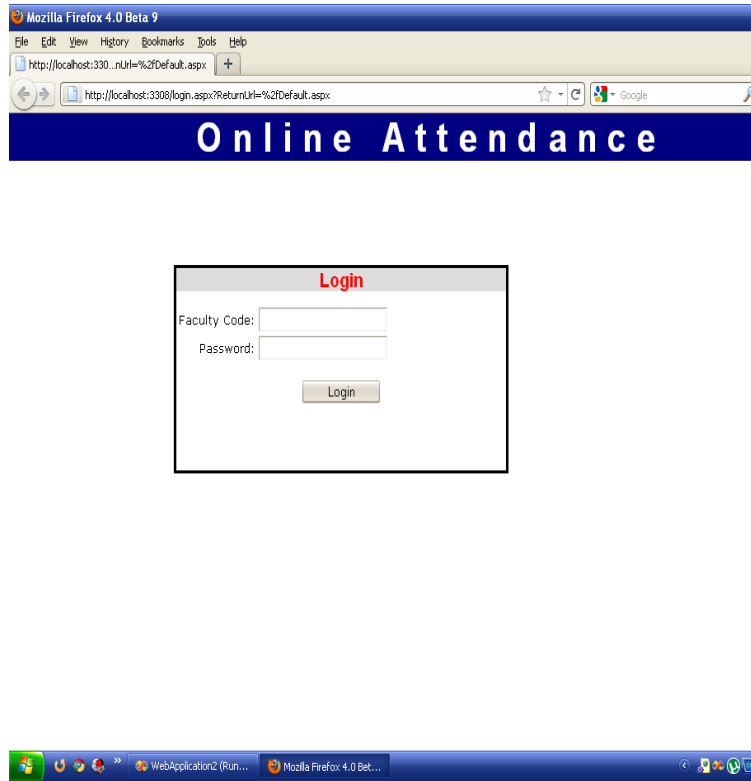
| S.No | Field Name | Data Types | Discription |
|------|------------|------------|-------------|
|------|------------|------------|-------------|

E R Diagram



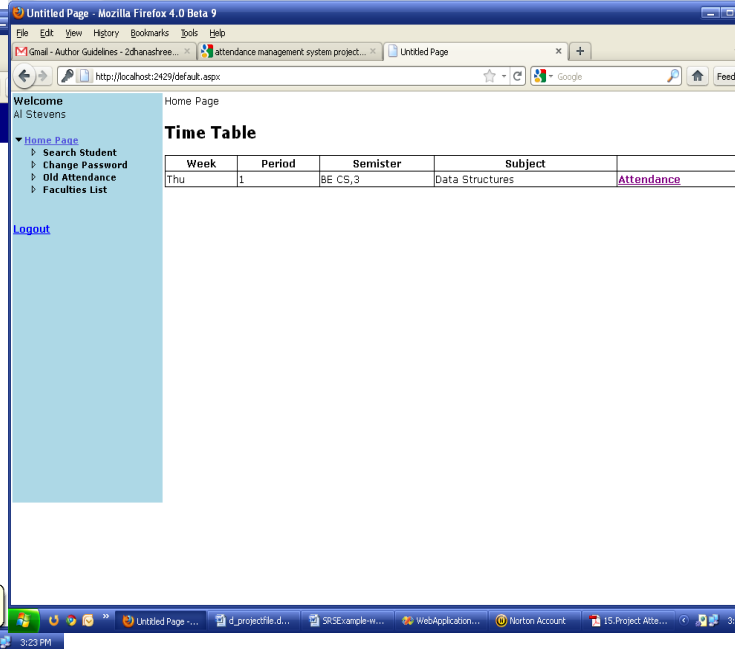
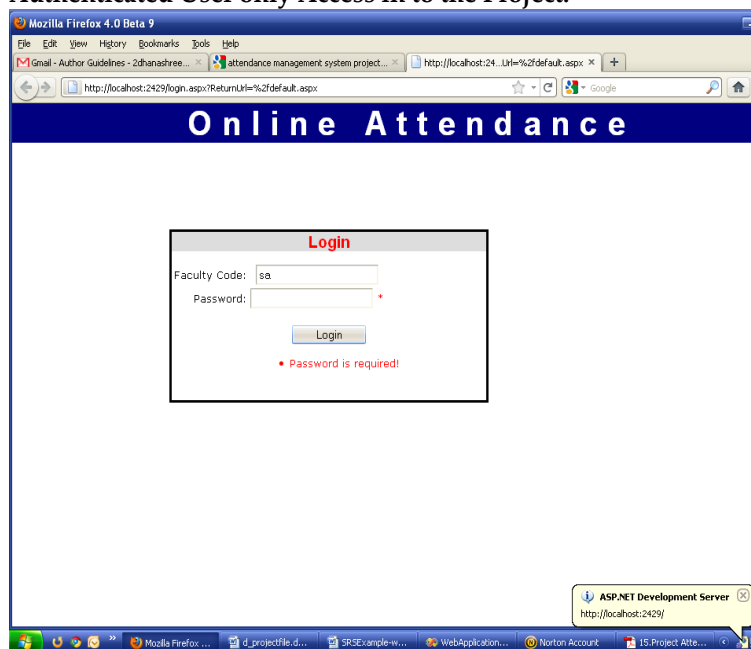
Screen Shots

Login Form

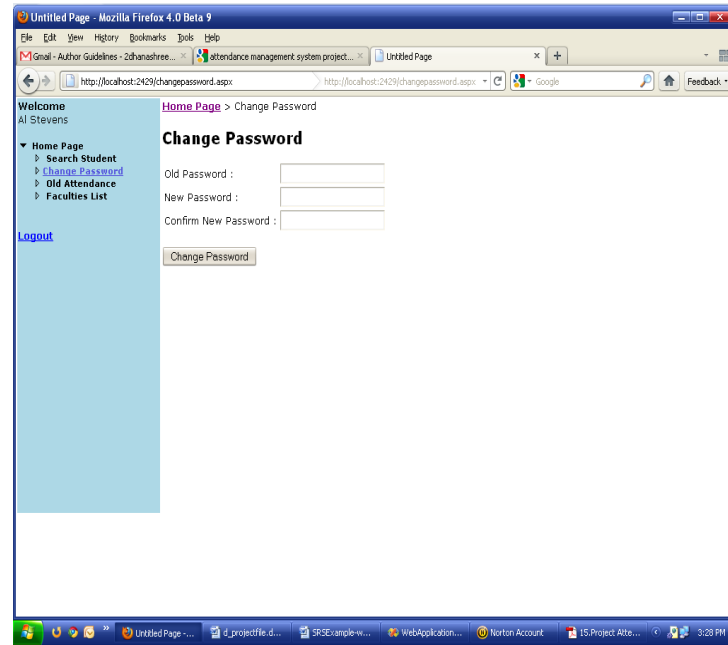
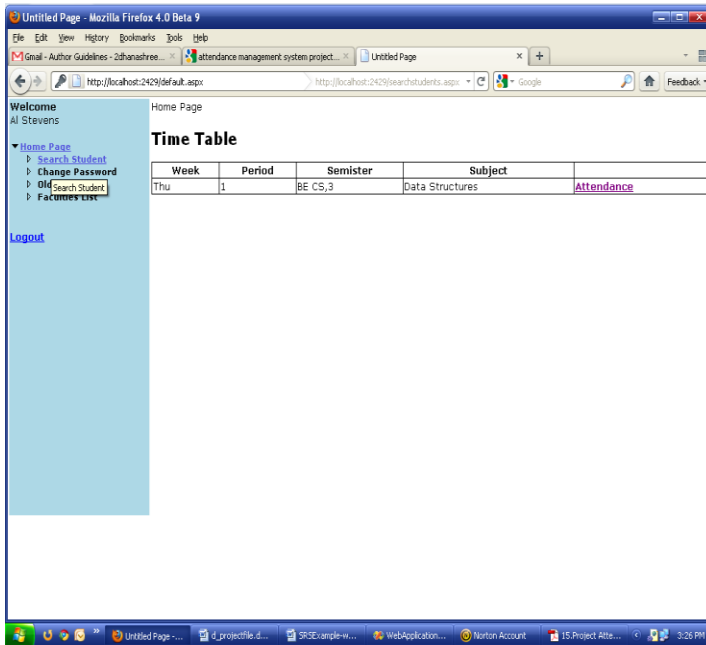


This login Form is made For Security purpose. So only Authenticated User only Access in to the Project.

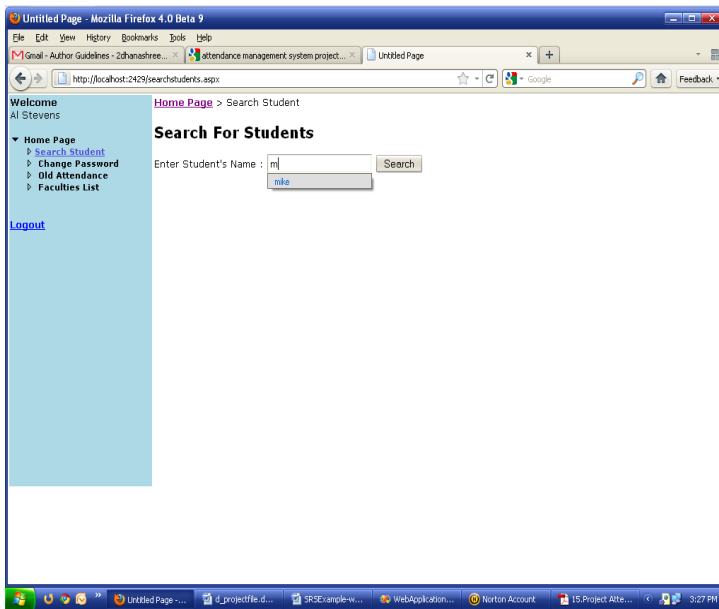
After Logged in the following web screen will appear



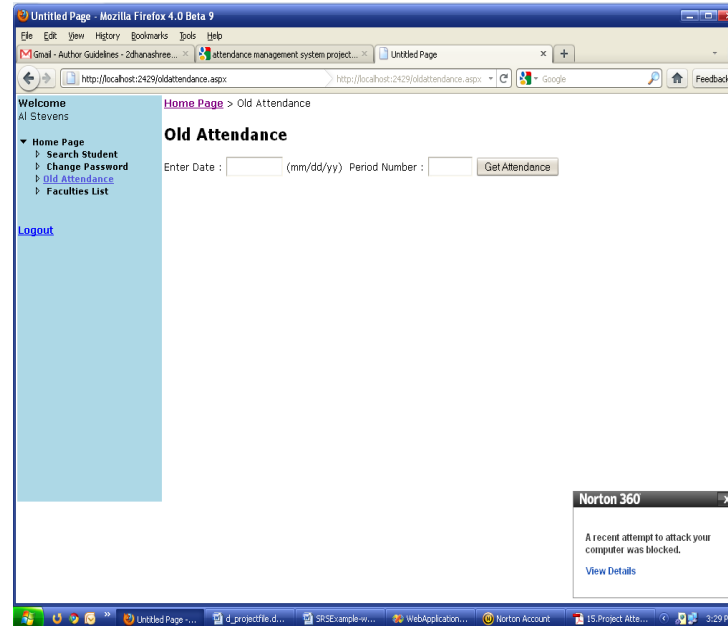
To search engine for a Student



Just Enter the Student initial and list will appear to search that name

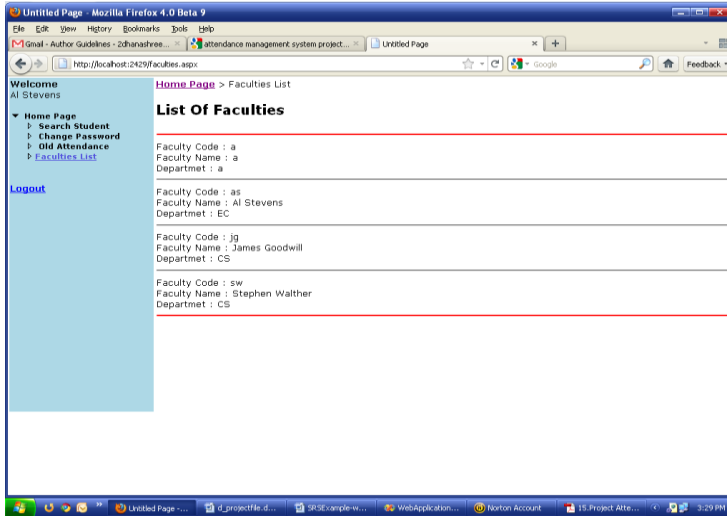


To review the Old Attendance

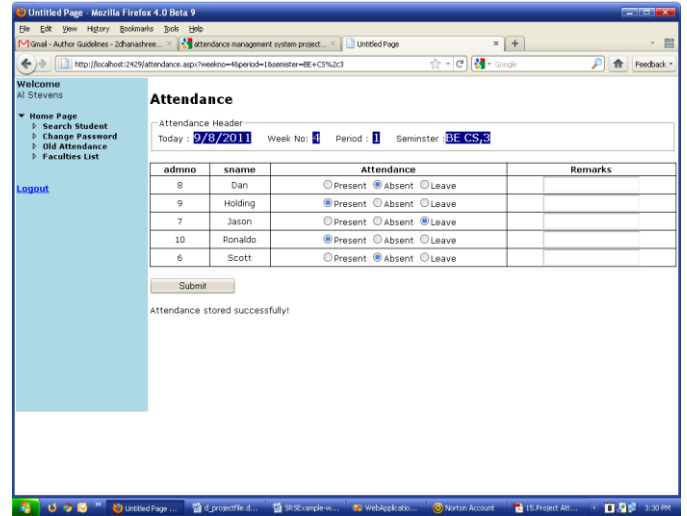


Changing password

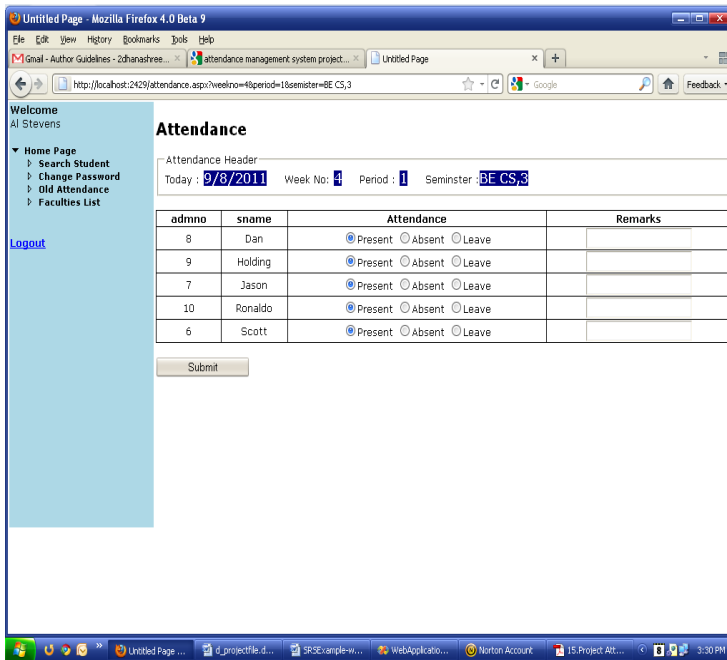
Faculty List



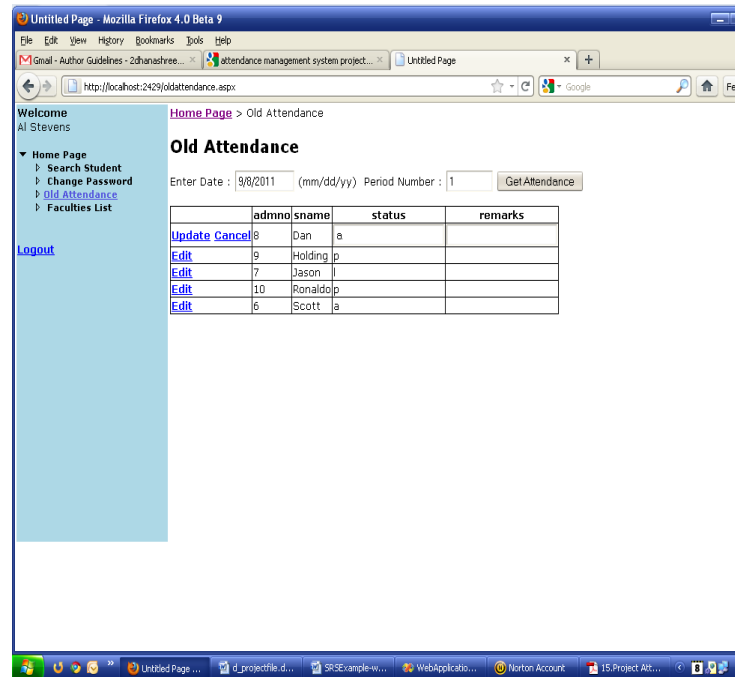
Store the Attendance



Attendance Report



After storing th attendance



Conclusion

The Attendance Management System is developed using ASP.NET with C# fully meets the objectives of the system which it has been developed. The system has reached a steady state where all bugs have been eliminated. The system is operated at a high level of efficiency and all the

teachers and user associated with the system understands its advantage. The system solves the problem. It was intended to solve as requirement specification.

Bibliography

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Websites

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