CS-MAJOR-FEBRUARY PROJECT THESIS

A secure web application for students attendance in computer lab that will with-stand against common security attacks

VEERSINGH BISEN
INTERNSHIP PROGRAM @EDIGLOBE

Project Report on

Submitted in fulfilment of the requirements

for the internship major project

to EDIGLOBE

By

Veersingh Bisen

Guided by:

Mr. Avinash Upadhyay sir

Contents

Chapter 1

Introduction:

Your project, addresses the streamlining attendance management processes. It aims to replace traditional hardcopy logbooks with a digital solution, making it easier for faculty to maintain attendance records. the Database Manager facilitates the efficient management of digital logbook attendance through a user-friendly website.

It is web application developed as a internship major project , It can with-stand against the basic web application attacks such as SQL injection and XSS .

To made this web application secure , I had done the input validation in it , also restricted to the use of special characters that just does not allows the SQL injection and XSS.

Chapter 2

Software Requirements Specification:

2.1 Purpose

- **Attendance Management**

2.2 Design and Implementation Constraints Design

- **Front end: HTML , CSS**
- **Backend: PHP, SQL**

2.3 Project Scope

The project scope for the Database Manager includes developing a comprehensive system for managing student attendance records, enhancing efficiency.

Chapter 3

System design and Technical Specifications:

A website featuring a digital logbook, facilitates student and teacher logins. This design aims to enhance educational engagement and streamline administrative processes. The student login allows users to access and update their digital logbooks, providing a centralized platform for tracking academic progress and activities. On the other hand, the teacher login provides educators with tools to review and assess student entries, fostering efficient communication.

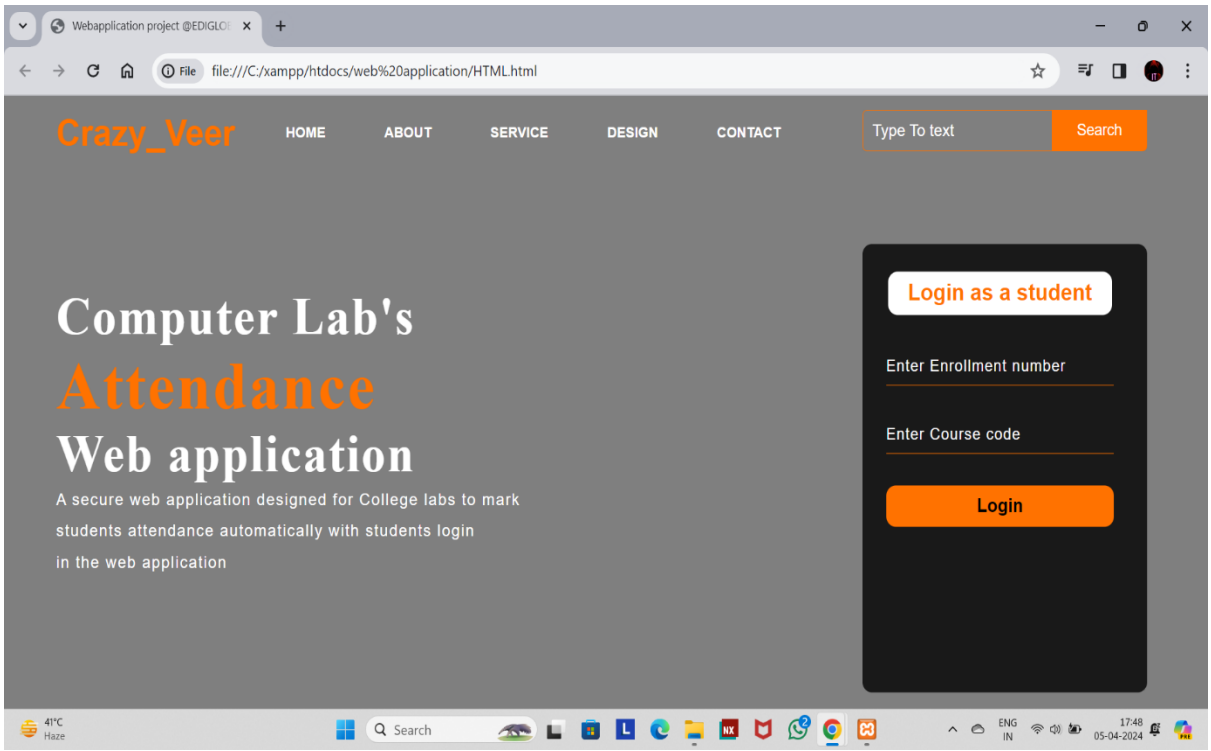

Fig. Web application Front End

For the back-end XAMPP server is used for the setting up a server . I have connected the front end with the PHP SQL as it is user friendly and the teachers can easily operate it, teachers can easily mark the attendance and can take out the print-out of daily attendance.

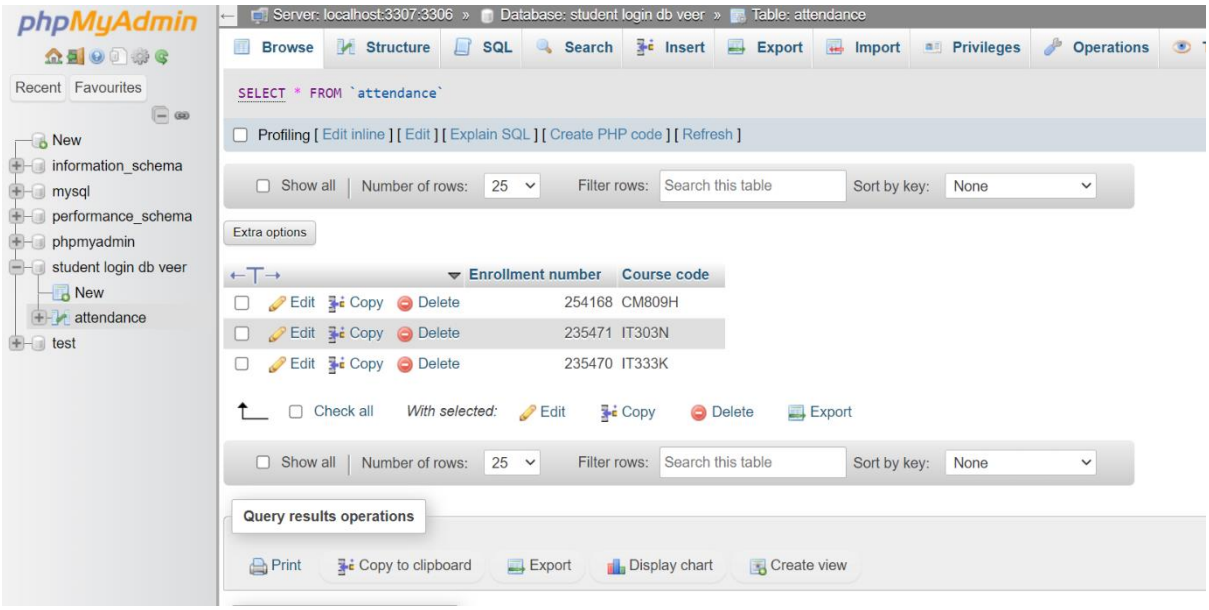

Fig. XAMPP server PHP Myadmin

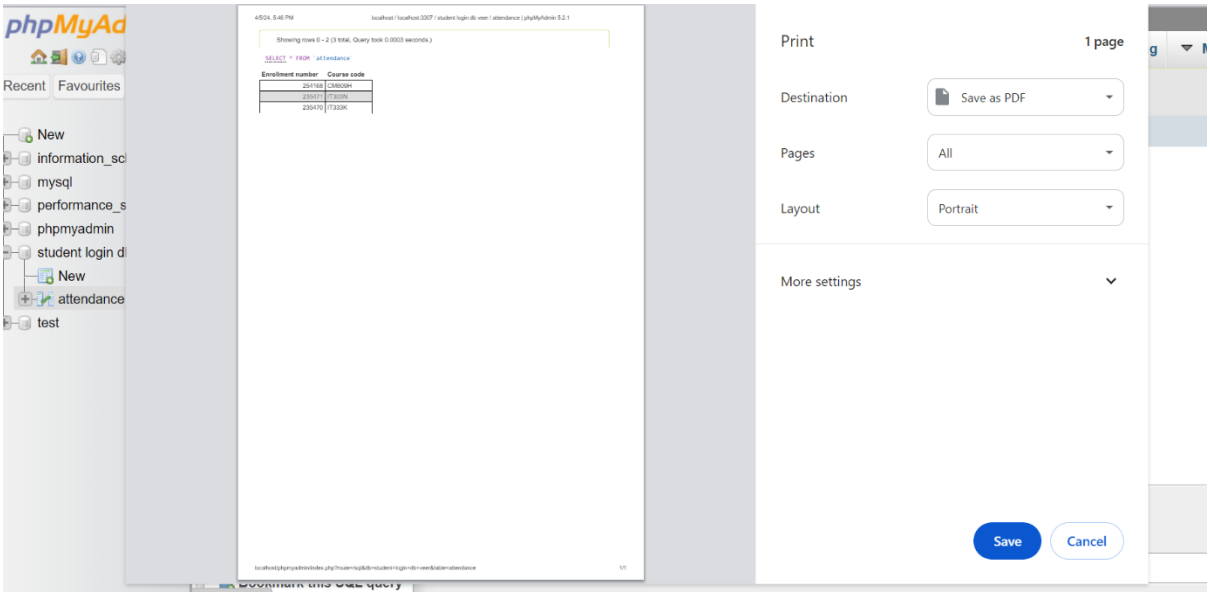

Fig. Print-out of daily attendance

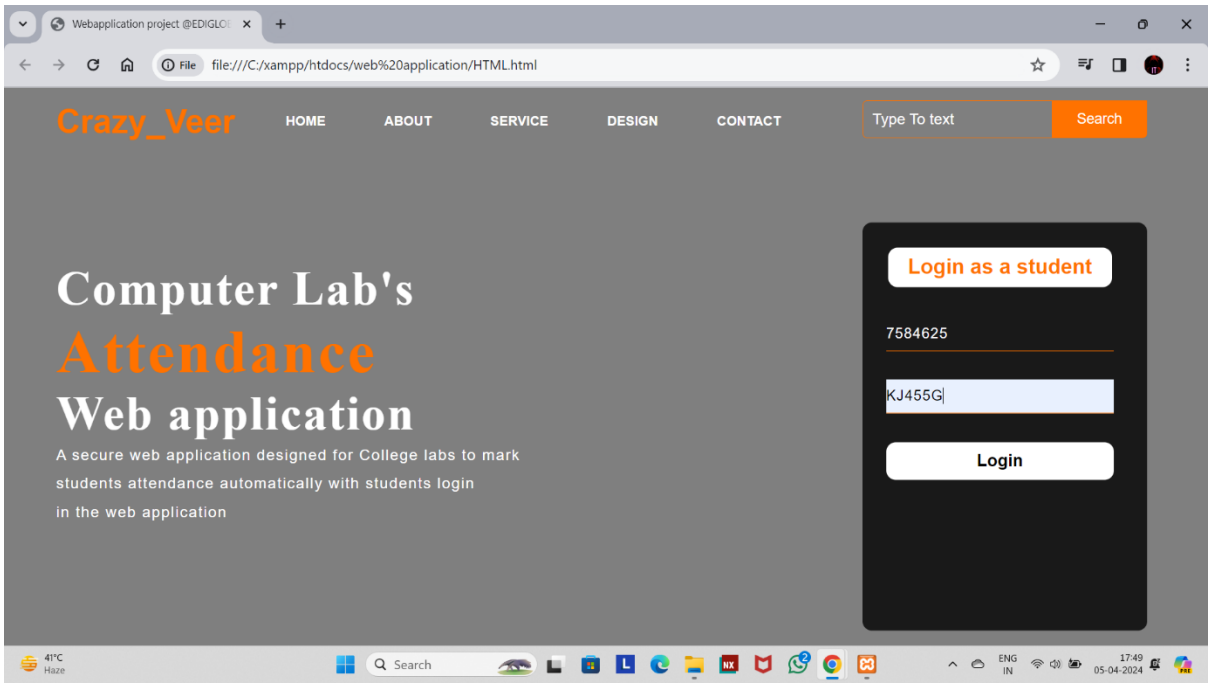

Fig. Security of web application

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Chapter 4
Project Estimate and Schedule

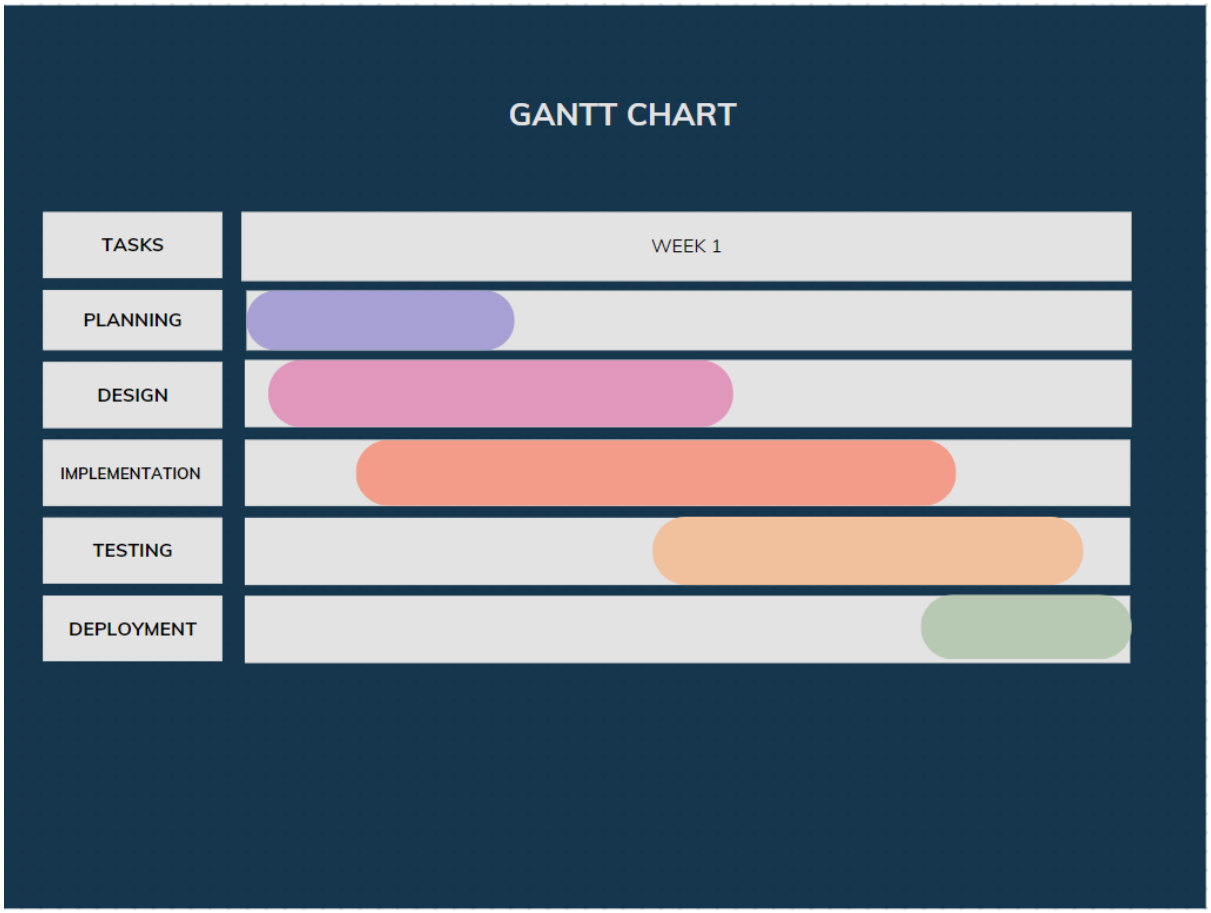

Fig. Gantt Chart

Chapter 5
Software Testing

Test Id	Input	Expected O/P	Actual O/P	Remarks
1	GUI testing (click on all the buttons in GUI)	All the tasks that are assigned to buttons are perfectly done	All the tasks that are assigned to buttons are perfectly done	**PASS**
2	Website Testing	Website should be properly redirected to the expected page	Website is properly redirecting to the expected page	**PASS**
3	Compatibility Test	Software compatible with different operating system	Software compatible with different operating system	**PASS**
4	Security Testing 1	Only valid data should be taken	Only valid data is been taken by the website	**PASS**
5	Security Testing 2	SQL injection and XSS should not validate	SQL injection and XSS are not validate	**PASS**

Chapter 6

Conclusion:

Hence we have developed a web application as our internship major project successfully, the above is the thesis of project and the code files are attached with the mail. To use this web application for real worls worls we have to host it on a secure platform as our aim is the security of the web application .