Arena

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Department of Computer Science and Engineering

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Report on Mini Project

STADIUM TICKET RESERVATION

Course Code: 19CS056

Course Name: RDBMS

Semester: V SEM Section: B

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Date of submission:
28/12/2021

Signature of Course Instructor

ABSTRACT

The aim of this mini project was to create a reliable and easy to use online ticket booking system. The major goals of the project were to:

- Create a system which makes it easier for customers to purchase the tickets that they want online.
- To create a more efficient and modern system for providing entry to the ground on a match day.
- To provide a fairer system for distributing tickets.

Unfortunately, the current ticket management system leads to misplacement of fees payment details, and late release of reports and insecurity to records. This project is equally aimed at computerizing all the ticket booking activities and generating reports for management decision making. In order to achieve this goal, a thorough System Study and investigation was carried out and data was collected and analyzed about the current system. Secure registration and profile management facilities are provided for the costumers.

TABLE OF CONTENTS

INTRODUCTION

This project work was carried out because we believe that there are significant improvements that could be made to the current ticket booking system which would benefit the customers, the fans, who would find it easier to purchase and use their tickets, leading to an altogether more enjoyable match day experience, and, hopefully, more frequent visits to the stadium. Buying tickets in person is by far the easiest way to purchase tickets, however many fans live outside of the area, or cannot get down to the stadium to purchase tickets in advance due to work. This results in large queues at the ticket office on a match day. To ease ticket booking task, there is need for a web-based software system which must be created using well established principles of software engineering and latest technologies that guarantee a high degree of reliability and enhance ways of buying elsewhere, hopefully a larger number of people would buy in advance, easing the congestion.

The project has been developed on HTML, CSS, PHP, JAVASCRIPT, BOOTSTRAP AND MYSQL.

PROBLEM STATEMENT

To simplify the ticket booking processes and drastically reduce the stress involve in ticket booking there is need to designing web-based software that handle all ticket booking activities.

The following are some of the problems/challenges facing the current system:

- Duplication of ticket by customers and fans.
- Insecurity of data because it is prone to vandalization and unauthorized accessibility.
- Poor billing and report generation process.
- Lack of prompt updating: Various changes to information like changing booking or cancelling booking are difficult to reflect in paper work.
- Data losses: Loss of data perhaps would happen if all information is kept only inside papers and not in the database
- Poor information storage method: The use of office files and file cabinet is not a good form of information storage.

DATABASE DESIGN:

SCHEMATIC DIAGRAM:

LOGIN:

ID	EMAIL	PASSWORD

BOOKING:

BID	NAME	EMAIL	ADULTS	KIDS	P_NAME	NO

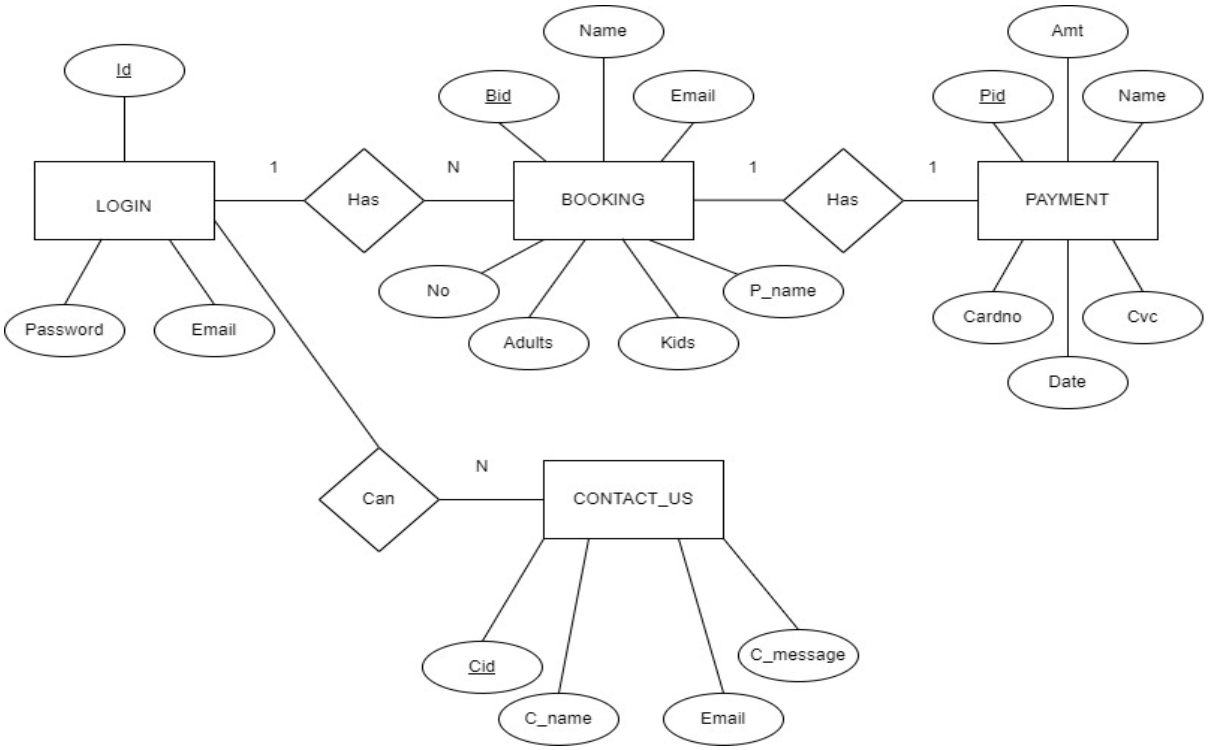
PAYMENT:

PID	AMT	C_NAME	C_NO	DATE	CVC

CONTACT_US:

C ID	CNAME	EMAIL	MESSAGE

ER-DIAGRAM:



OBJECTIVES

The main objective of the project is to create a reliable and easy to use web-based system which will simplify the ticket booking processes.

Other objectives of the work include the following:

- To work towards the elimination of ineffective modes of operation. It centers on the users having a good atmosphere for booking thereby minimizing stress.
- To work towards combating all the problems discovered on the existing system, which are listed under the problems of study.
- Safeguarding of information and ticket fees through effective monitoring.
- Electronic security is maintained as the fans, customers and management are able to login and access the system depending on their privileges.
- The level of accuracy in the proposed system will be higher. All operations would be done correctly and it ensures that whatever ticket sold is from the stadium management team and genuine.

HARDWARE/SOFTWARE REQUIREMENTS

SOFTWARE REQUIREMENTS:

Operating System: Windows 10

User Interface: HTML, CSS, BOOTSTRAP

Server-side Scripting: PHP

Database: MySQL

Workspace: Visual Studio Code

XAMPP/WAMP/MAMP/LAMP Server

HARDWARE REQUIREMENTS:

Processor: Intel i3 Processor or any

RAM: 8 GB

Hard disk: 1 TB

METHODOLOGY

In online ticketing system the customer can buy the tickets directly via the internet.

There is no intermediary between the service. The and purchases are completed electronically and interactively in real-time.

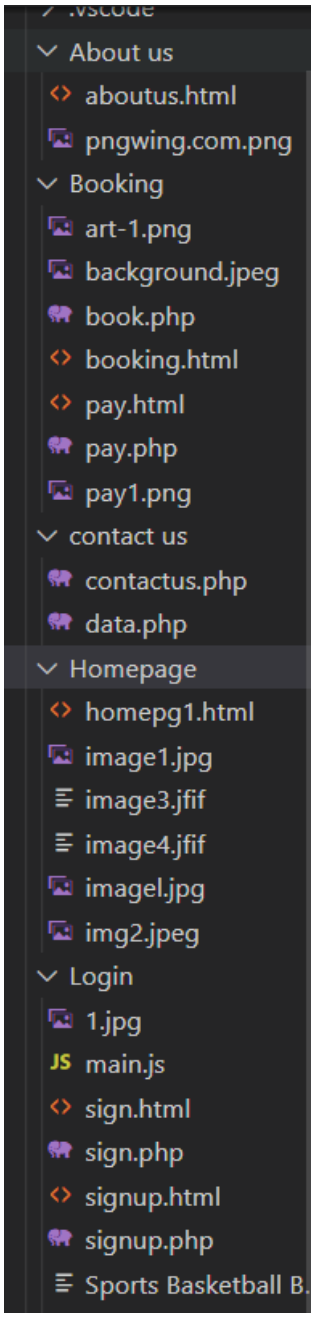
The assignment is basically done by allowing fans to obtain ticket at the stadium's office based on the match i.e., the amount paid by fans depend on the seat type and the match.
The ticket booking is a task usually done by the fans and ticket administrator office manually, and this manual system of ticket booking could result to time wasting between the exercises.

The development of this system contains the following activities which try to develop online application by keeping the entire process in the view of database integration approach.

The system is a web-based application and will be implemented on a relational database system (MySQL). HTML (hypertext markup language), CSS (cascading style sheet), Java Script and Bootstrap will be used to design the web-user interface, PHP (hypertext pre-processor) will be used as the server- side script language to link the interface and the database.

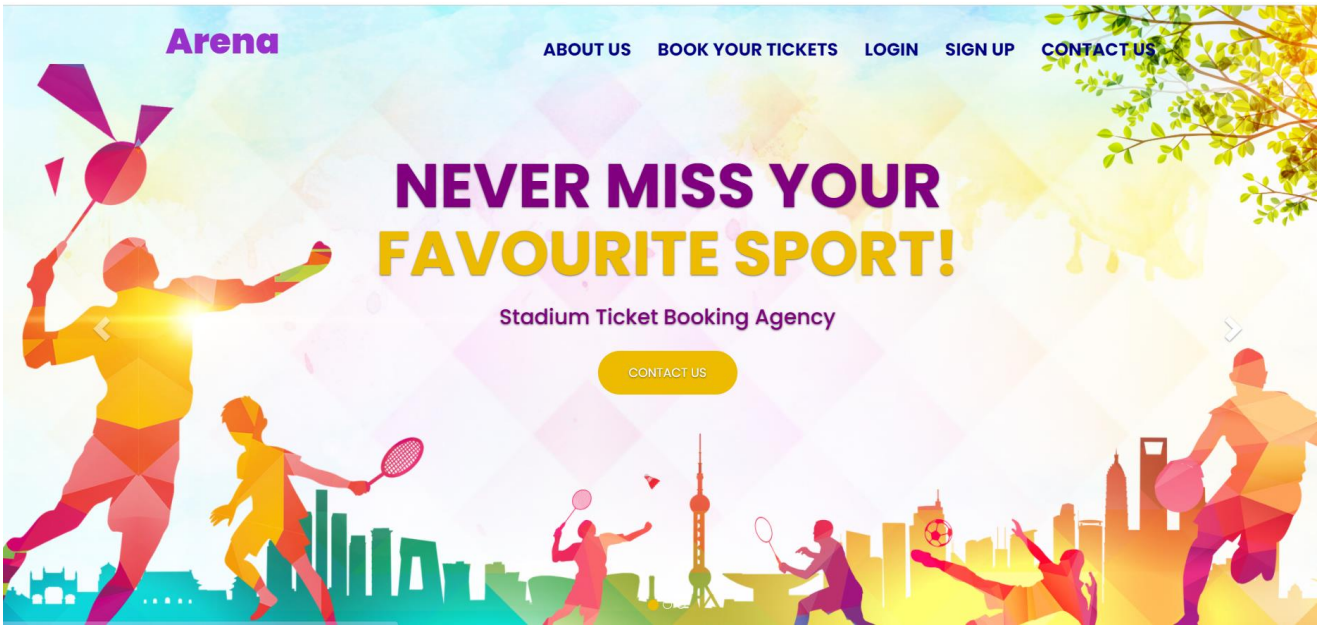
SCREENSHOTS

PROJECT STRUCTURE:



- Aboutus.html: has the about us page code
- Booking.html: has ticket booking code
- Pay.html: Has payments code
- Book.php: Is the php code to establish connection and save the details to the database
- Pay.php: Is the php code to establish connection and save details to the database
- Contactus.php: has contact us page code
- Data.php: php code that stores the details in database
- Homepage.html: has the homepage code
- Sign.html: has the login code
- Sign.php: has the php code to establish connection to database
- Signup.html: has the login code
- Signup.php: has the php code to establish connection to database

HOMEPAGE:

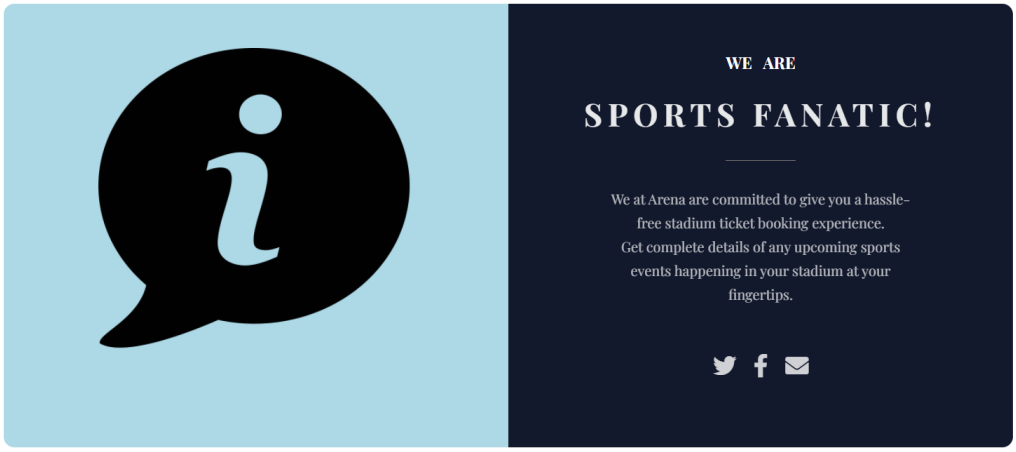


FOOTER:

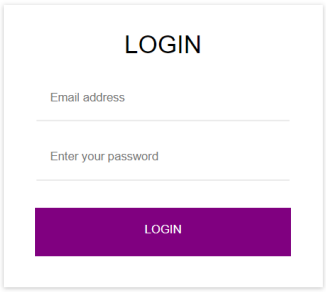
Stadium Details			
Owner	: Sports Association	**Corporate Box**	: 76
End Names	: Adani Pavilion End, GMDC End	**Media Conference Hall Capacity**	: 100
Home Team	: Royal Challengers Bangalore	**Playing Area**	: 80 sq. yards
Establishment	: 1982, Renovated in 2021	**Floodlights**	: Yes
Seating Capacity	: Now 75(earlier 40)		

Stadium Stands with Capacity and Price		
Amarnath Pavilion	:10	100
Adani Lower Pavilion	: 15	100
Adani Upper Pavilion	: 13	100
M.S.Dhoni Pavilion	: 12	100
Virat Kohli Pavilion	: 11	100
Rahul Dravid Pavilion	: 14	100

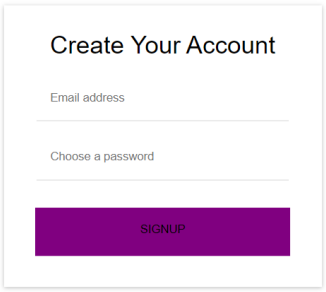
ABOUT US PAGE:



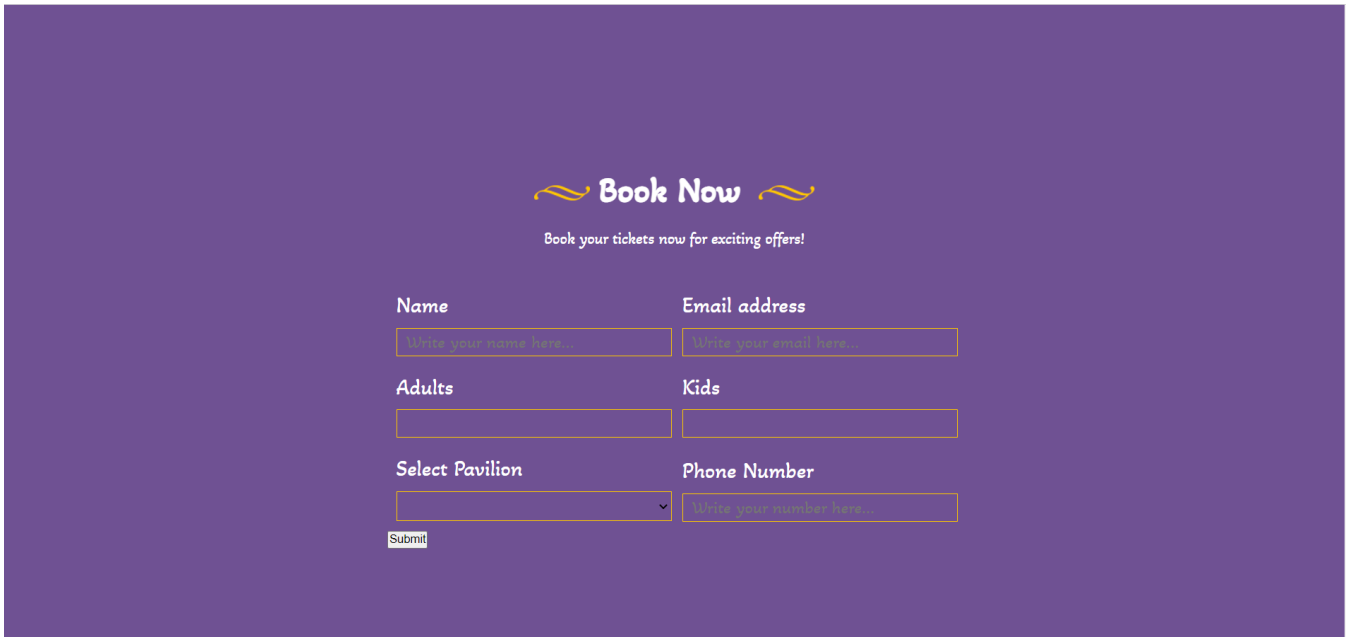
LOGIN PAGE:



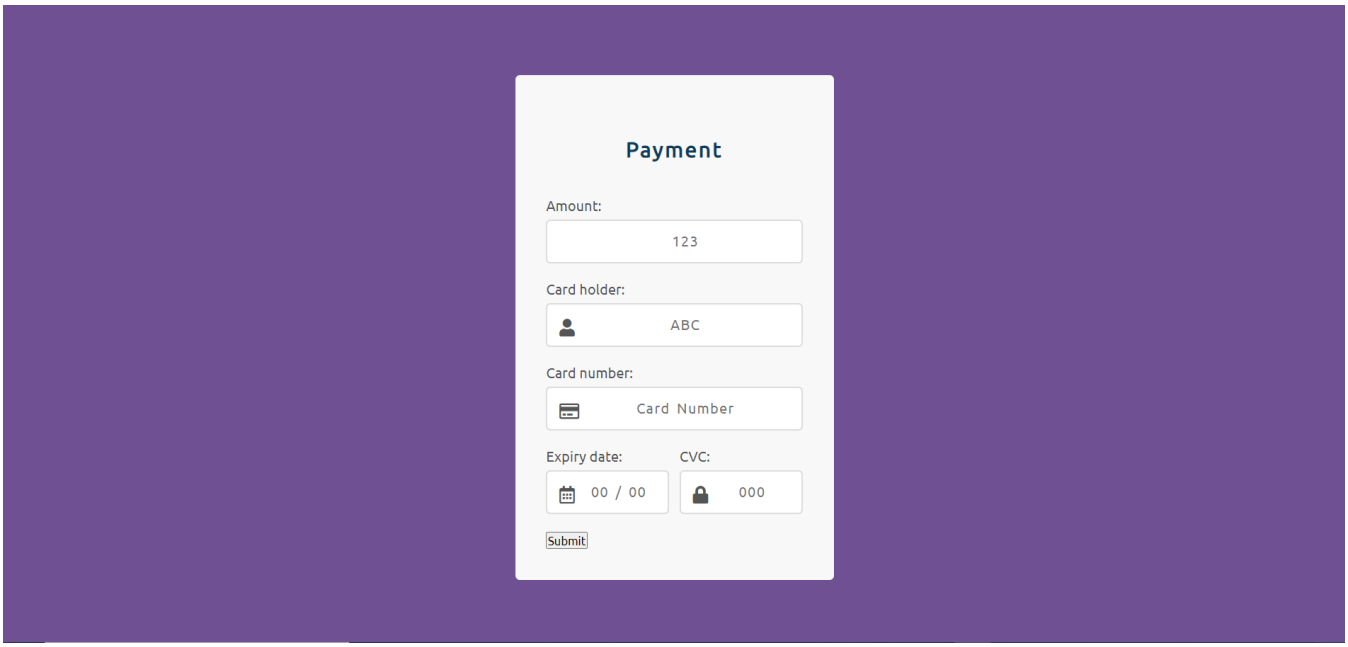
SIGN UP PAGE:



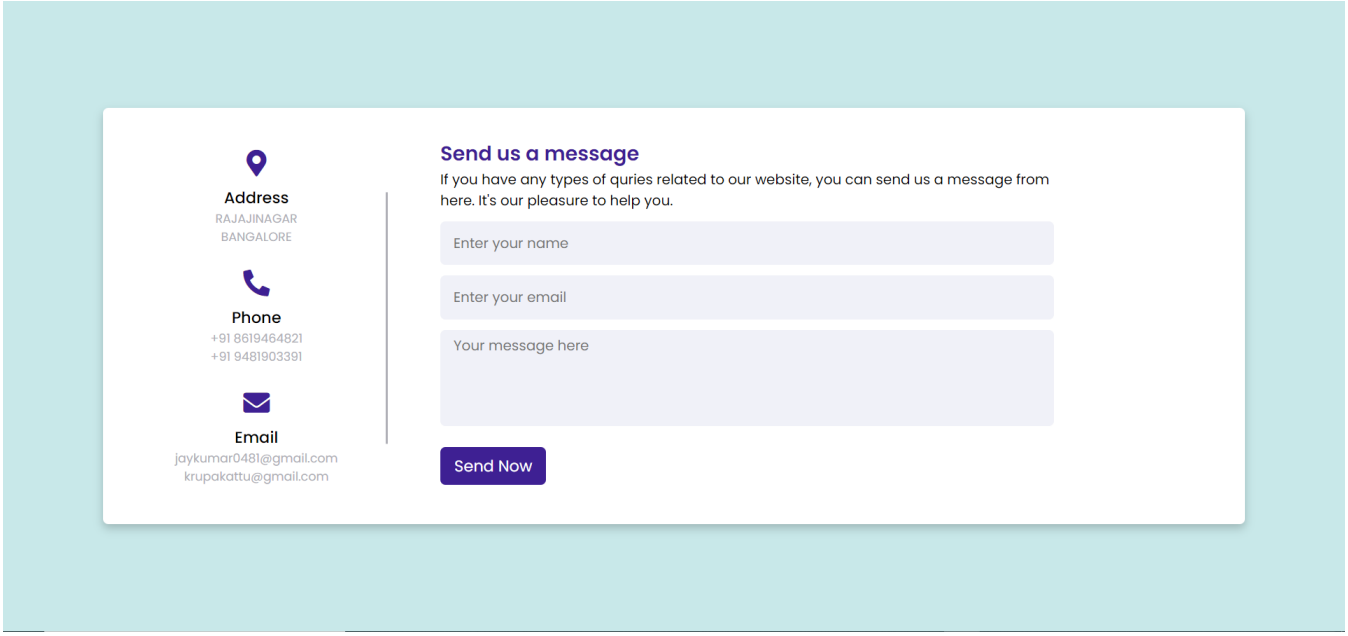
BOOK YOUR TICKETS:



PAYMENT (AFTER THE USER PRESSES SUBMIT):



CONTACT US:



RESULTS AND DISCUSSIONS

The system has been implemented and tested successfully.

It meets the information requirements specified to the great extent. The system has been designed keeping the present and future requirements in mind and made very flexible.

There are limitations in the system however proper consideration has been given for a wide range of new enhancements. The system is developed in such a way that it is user-friendly. In future, if it is required to generate reports other than provided by the system it can be achieved simply by a separate module to the main module without effecting the design of the system.

- Simplified operation
- Avoids a lot of manual work
- User friendly interface to enter the data and enquire the database tables
- User can easily access the system without much experience
- Hardware and software security
- Portable and flexible for further extension

CONCLUSION AND FUTURE SCOPE

CONCLUSION:

The Online booking system proved to be the most time saving and quicker alternative to the manual booking system. The user gets to know if he/she has successfully booked his/her ticket according to the seat availability at the time of booking effortlessly. The website can be accessed 24/7 which also contributes to maximum reservation.

As per our observation the following are the future scope which can be implemented:

FUTURE SCOPE:

- Increase the facilities of the project
- Publish this website online
- Add admin panel interface
- Remove all the limitation

REFERENCES

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- https://www.tutorialspoint.com/html5/index.htm/
- https://www.javatpoint.com/sql-tutorial