MINI PROJECT

(2021-22)

"Savioo Hotel & Restaurant"

Project Report

Institute of Engineering & Technology

Submitted By -

Asheesh sharma(191500161)

Omprakash sharma(191500522)

Somya Vashishtha(191500817)

Under the Supervision Of

Mr. Mandeep Singh

Technical Trainer

Department of Computer Engineering & Applications

Department of Computer Engineering and Applications GLA

University, 17 km. Stone NH#2, Mathura-Delhi Road,

Chaumuha, Mathura – 281406 U.P (India)

<u>Declaration</u>

I/we hereby declare that the work which is being presented in the Bachelor of technology. Project **"Savioo Hotel & Restaurant"**, in partial fulfillment of the requirements for the award of the ***Bachelor of Technology*** in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my/our own work carried under the supervision of **Mr. Mandeep Singh, Technical Trainer, Dept. of CEA,GLA University.**

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

Sign: Asheesh Sharma   **Sign**: Omprakashsharma
Name of Candidate: Asheesh Sharma   **Name of Candidate**: Omprakash sharma
University Roll No.:191500161   **University Roll No.**:191500522

Sign: SomyaVashishtha
Name of Candidate: Somya Vashishtha
University Roll No.:191500817

Department of Computer Engineering and Applications GLA

University, 17 km. Stone NH#2, Mathura-Delhi Road, Chaumuha,

Mathura – 281406 U.P (India)

ACKNOWLEDGEMENT

Presenting the ascribed project paper report in this very simple and official form, we would like to place my deep gratitude to GLA University for providing us the instructor **Mr Mandeep Singh**, our **technical trainer** and supervisor.

He has been helping us since Day 1 in this project. He provided us with the roadmap, the basic guidelines explaining on how to work on the project. He has been conducting regular meeting to check the progress of the project and providing us with the resources related to the project. Without his help, we wouldn't have been able to complete this project.

And at last but not the least we would like to thank our dear parents for helping us to grab this opportunity to get trained and also my colleagues who helped me find resources during the training.
    Thanking You

Sign: Asheeshsharma
Name of Candidate: Asheesh sharma
University Roll No.:191500161

Sign: Omprakashsharma
Name of Candidate: Omprakash sharma
University Roll No.:191500522

Sign: SomyaVashishtha
Name of Candidate: Somya Vashishtha
University Roll No.:191500817

ABSTRACT

In this project, we are creating an website, basically a Savioo Hotel & Restaurant This website will provide us a platform to see the hotel & Restaurant we want to go at the ease of our fingertips. All the users will be having their separate accounts on this website which will be connected to their email id. Any hotel or restaurant that the user to know the price , the user would found several hotel or restaurant options they just have scroll option then choose what he/she wants. The website is suitable in the present scenario as the world is being digitalized.

The website will be completely efficient and transparent to the reviews of the people on the hotel/restaurant and its price. To get more details about the hotel/restaurant one can click on the boxes and get further grave details. Further the FAQ section provides all the necessary details that the user may need about the website. The app also has a complete User Interface attached to the Mysql a perfect login system with email id.

Website ecosystem is diverse and is changing people's life all over the world. Website users are expected to Furthermore designing solutions for the problems that we may face in future is essential.

CONTENTS

Chapter-1
Introduction

1.1 Context

This website Savioo hotel & restaurant has been submitted in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering at GLA University, Mathura supervised by Mr.Mandeep Singh. This project has been completed approximately three months and has been executed in modules, meetings have been organised to check the progress of the work and for instructions and guidelines.

1.2 Motivation

In the recent years, we have realized the importance of search of the hotel prices and how important it is for us to have our resources online. Website have been the greatest source of see the hotel/restaurant all the while and having them at the reach of our fingertips.

In the century we are living the world is progressing at a really great pace, a lot number of technologies come up every single day. To keep up with the technology is also important to survive in this world of digitalization.
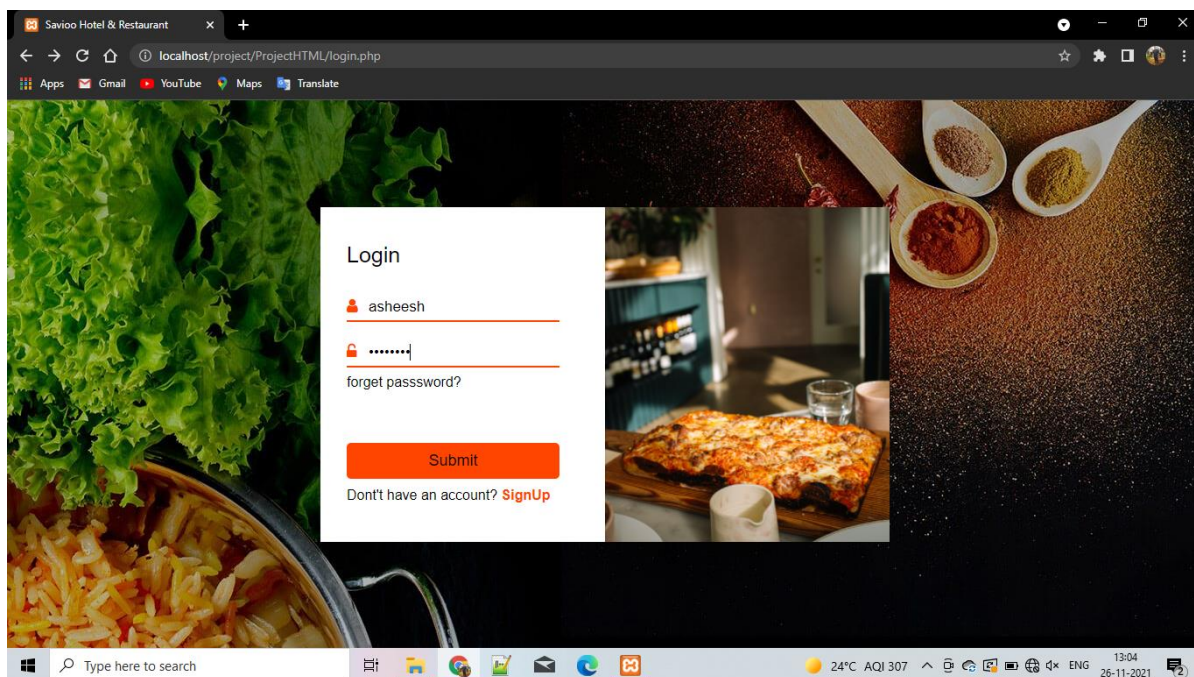
1.3 Objective

The main objective of this website will give you right hotel & restaurant price and how hotel room is looking in hotels e.g images which is

uploaded by hotel owner ,So customer don't need to go at different hotel and ask for a price of hotel rooms, they can just visit our websites.

1.4 Existing System

In the present scenario, we are dealing with different different interface for hotel/restaurant owner when they entering hotel/restaurant details with the help of this owners are able to give the details of their hotel rooms/restaurant where user could easily find the best hotel/restaurant with the help of this. As this idea as already implemented here are the some snap how our website will look.

As soon as the user enters the website, there will be landing page containing the name of the website and Get Started Button to go for login /signup page. When the user enter he/she would face the sidebar and watch for time in front their home page and list of hotel and restaurant.

1.5 SOURCES

The source of our project (including all the project work, documentations and presentations) will is available at the following link.
https://github.com/Asheeshsharma283125/mini-project-of-college

CHAPTER -2

WEBSITE REQUIREMENT ANALYSIS

2.1 IMPACT ON DAILY LIFE

It allows us to feel comfortable, despite different backgrounds. It play a significant role in customer life. We know people are the most productive when they are doing things their own way, so we don't tell anyone what to do. We believe the more independent perspectives you can gain on a subject. They take them into a unique world of imagination and improve their standard of living.

Many different types of travelers prefer staying at hotels with a restaurant on-site. While some people may believe that only large, expensive hotels include a restaurant, you can find restaurants in hotels at different sizes and price points. With all the benefits of staying at a hotel with a restaurant on site, it's no surprise that many people prefer them and also we could provide review of hotel and restaurant

The right hotel and restaurant will vastly cut down the time you spend on manually. The website does the majority of the work and lets you divert you time to more important tasks, such as serving your guests. A more streamlined check-in and check-out experience will boost your guest happiness. every element of a hospitality system should be working towards the end goals of improving efficiency and enhancing the guest experience.

2.2 Problem Statement

The Savioo Hotel & Restaurant website allow us to search any hotel and restaurant by just scrolling. Actually we are creating a database for customer and owner of the hotel/restaurant. In that database we will keep several details like how many bookmarks they have hotel/restaurant that data will very helpful for hotel/restaurant perspective, more streamlined check-in and check-out experience will boost your guest happiness.

So the people don't need to go anywhere they can just browse from home to our website and decide where they want to go. The profile of each user is created, Html for making page layout like Welcome page, Login page, About, bookmarks, Hotel, restaurant list. We used CSS for styling & designing the pages either it is watch use javascript , slideshows and hover for clean and smart experience.

We have tried our best to make the complicated process of design easy. No formal knowledge is required for user to use it. This project is user friendly so no one will face problem while using it.

2.3 HARDWARE AND SOFTWARE REQUIREMENTS

<u>Hardware Requirement</u>

- Processor :intel i5

- Operating System :Any Operating System
- RAM : 8 GB (or higher)
- Hard disk : 256GB

<u>Software Requirement</u>

- Software used: vs code ,chrome browser
- Language used : html, css , javascript ,php
- Database: mysql
- User interface design: website

2.4 Modules and Functionalities
- **Welcome page:** In the first page we would see front page of website in which
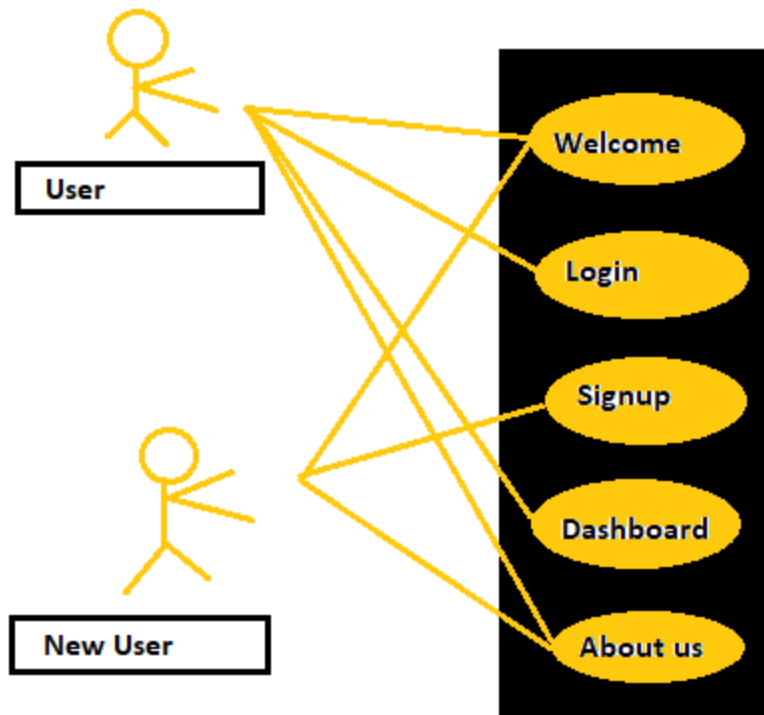
we have given the title of website, home option to for login page and about us. At the corner their will be "get started" option to go for login page.

- **Login page:** In Second page we have given the best login page which looks attractive it just like flip cover using transform properties, both login and sigup options will be their .

- **Home page:** In third page we would see main page contains watch for time, have dark mode for the page and sidebar also be their for multiple options like logout button, about us.

- **About us page:** In the fourth page we have given description about website what website will do for you and what functionality have added, also we have given information about us like names, contact number.

- **Logout Button:** This button will brings you at login page this option will visible when user already in Home page this button is given at the bottom of sidebar.

- **Dashboard:** This is the page displayed for every user after entering the website successfully. Whenever you click on it the page will refresh.

- **Watch for time:** This functionality basically added by some javascript code it will give you current time details and also contain dark mode option for home page.

Chapter-3

Website Design

3.1 Use case- diagram:

So the above diagram represents the point of view of the new user, the registered user, and the developer and the arrows to each module show the interactivity of the person.

The New user will first be required to create up a new account so will interact with the "sign-up module" and fill up all the details that will be stored in the database. The next user will land into the dashboard the list of hotel/restaurant will appear on the screen .Then the user can interact with the "Description of the hotel/restaurant" module to read more about the them.
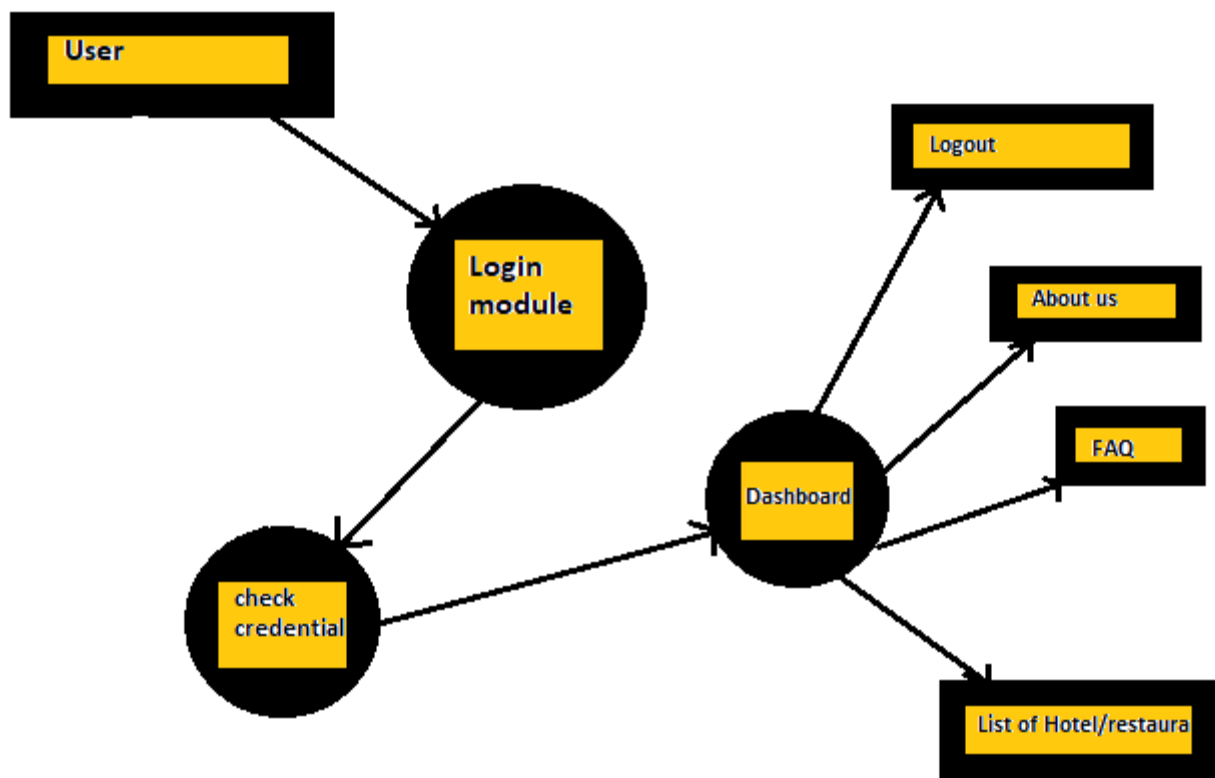
For the registered user, the user will be having the credentials to login and will interact with the "login module" and then the user will enter into the dashboard.

3.2 Data flow diagram

First of all user will interact with login page in which he/she will enter information like username and password then enter into the dashboard page if new user would come it will go for signup section and enter the details. Once the user come into dashboard page its will face many option like he/she wants dark mode then they can go for watch section in which there is dark mode option. if he/she want to go for about us page or go for list of hotel and restaurant options.

The hotel/restaurant list details contain name, address/location,and price. From the dashboard module, we can interact with the list of hotel/restaurant, About us, the FAQ Section, The sign out section.

The DFD for the Savioo hotel & Restaurant is shown below:

Data flow diagram

CHAPTER-4

TECHNOLOGY USED

4.1 Web Development

Web Technology refers to the various tools and techniques that are utilized in the process of communication between different types of devices over the internet. A web browser is used to access web pages. Web browsers can be defined as programs that display text, data, pictures, animation, and video on the Internet. Hyperlinked resources on the World Wide Web can be accessed using software interfaces provided by Web browsers.

Web development refers to the building, creating, and maintaining of websites. It includes aspects such as web design, web publishing, web programming, and database management. It is the creation of an application that works over the internet i.e. websites.

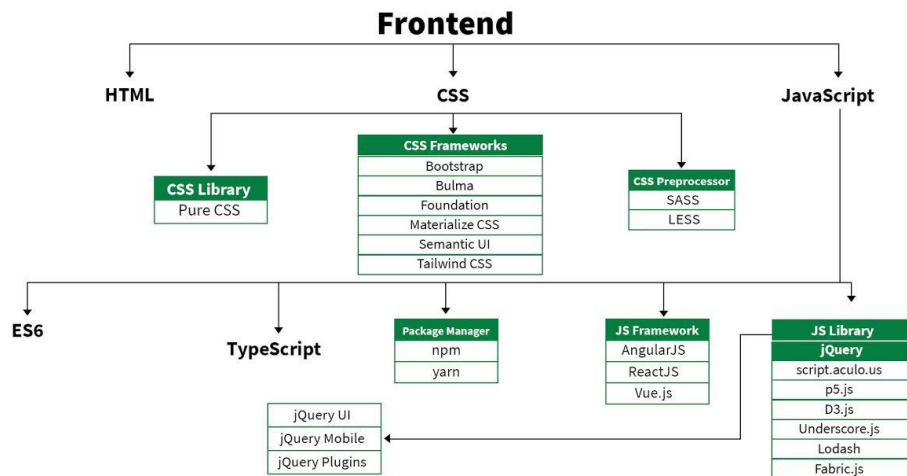Web Technology can be classified into the following sections:

Web Browser: The web browser is an application software to explore www (World Wide Web). It provides an interface between the server and the client and requests to the server for web documents and services.

Web Pages: A webpage is a digital document that is linked to the World Wide Web and viewable by anyone connected to the internet has a web browser.
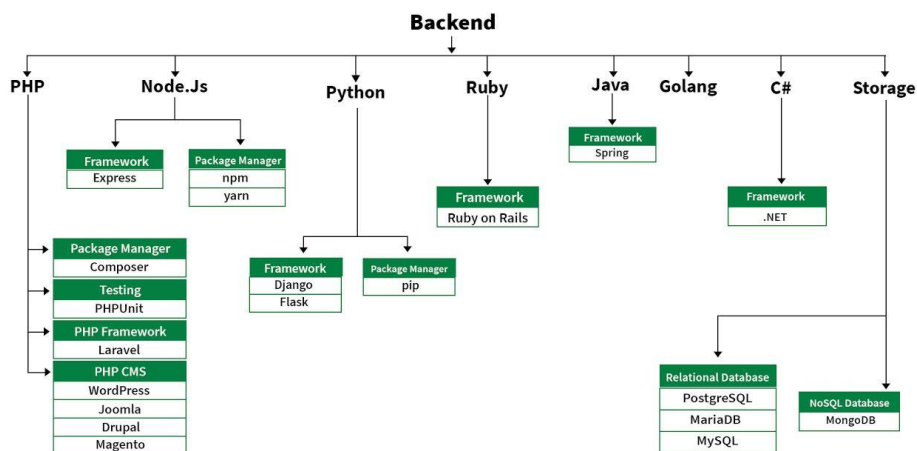
Web Development can be classified into two ways:

- **Frontend Development:** The part of a website that the user interacts directly is termed as front end. It is also referred to as the 'client side' of the application.

Frontend

HTML CSS JavaScript

CSS Library
Pure CSS

CSS Frameworks
Bootstrap
Bulma
Foundation
Materialize CSS
Semantic UI
Tailwind CSS

CSS Preprocessor
SASS
LESS

ES6 TypeScript

Package Manager
npm
yarn

JS Framework
AngularJS
ReactJS
Vue.js

JS Library
jQuery
script.aculo.us
p5.js
D3.js
Underscore.js
Lodash
Fabric.js

jQuery UI
jQuery Mobile
jQuery Plugins

- **Backend Development:** Backend is the server side of a website. It is the part of the website that users cannot see and interact. It is the portion of software that does not come in direct contact with the users. It is used to store and arrange data.

Backend

PHP Node.Js Python Ruby Java Golang C# Storage

Framework
Express

Package Manager
npm
yarn

Framework
Spring

Framework
Ruby on Rails

Framework
.NET

Package Manager
Composer

Testing
PHPUnit

PHP Framework
Laravel

PHP CMS
WordPress
Joomla
Drupal
Magento

Framework
Django
Flask

Package Manager
pip

Relational Database
PostgreSQL
MariaDB
MySQL

NoSQL Database
MongoDB

4.2TOOLS AND LANGUAGES

Frontend Languages: The front end portion is built by using some languages which are discussed below:

- **HTML:** HTML stands for Hypertext Markup Language. It is used to design the front-end portion of web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. The markup language is used to define the text documentation within the tag which defines the structure of web pages.
- **CSS:** Cascading Style Sheets fondly referred to as CSS is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.
- **JavaScript:** JavaScript is a famous scripting language used to create magic on the sites to make the site interactive for the user. It is used to enhancing the functionality of a website to running cool games and web-based software.

Backend Languages: The back end portion is built by using some languages which are discussed below:

- **PHP:** PHP is a server-side scripting language designed specifically for web development. Since PHP code executed on the server-side, so it is called a server-side scripting language.

4.3 Basic Terminology

Layout: Layout is the parent of view. It arranges all the views in a proper manner on the screen.

Activity: An activity can be referred as your device's screen which you see. User can place UI elements in any order in the created window of user's choice.

View: A view is an UI which occupies rectangular area on the screen to draw and handle user events.

VS CODE: Visual Studio Code is a streamlined code editor with support

for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE.

Browser: A web browser, or simply "browser," is an application used to access and view websites. Common web browsers include Microsoft Internet Explorer, Google Chrome, Mozilla Firefox, and Apple Safari. The primary function of a web browser is to render HTML, the code used to design or "mark up" webpages.

MySQL is a Backend-as-a-Service (Baas). It provides developers with a variety of tools and services to help them develop quality website, grow their user base. It is built on Apache server.

CHAPTER -5

Implementation and user interface

Creating an website concept design with screen sketches and functional flow diagrams is the best way to communicate your vision to the web developer. Making the concept clear to the developer is probably the most important factor in successful web development. Yet it is one of the most common problems or obstacles in a web development outsourcing project.

No matter what the marketing and profit goals are or if you are outsourcing an website for your personal use, you need to fully design and document the website concept if you expect a programmer to make your vision a reality. Developers are not mind readers and even descriptions given during conversations can be very fleeting or interpreted differently. Fully documenting your concept, therefore, leaves little to chance. The two most important things to do are: A) make a comprehensive description of how the website works and what it does (functionality) and B) create a comprehensive description of what the user sees and does (look and feel.

5.1 Implementation of the Savioo Hotel & Restaurant:

Implementation of Savioo hotel & restaurant is taken place in various phases. Firstly we build the login/signup interface then Side bar and the make various layout for the supporting features and connect the website to database. And according to user detail we shows the interface change(dynamic).

5.1.1Step to be followed to develop the website:

Firstly we create starting page which shows the heading Savioo Hotel & Restaurant there is one button for go to Login page.

After that we create login phase which comprises of various phases that are mentioned below:

Login Page: allows user to login into the website if the user is existing one

Register Page: If the user is new to our website then firstly he/she have to register themselves on the website.

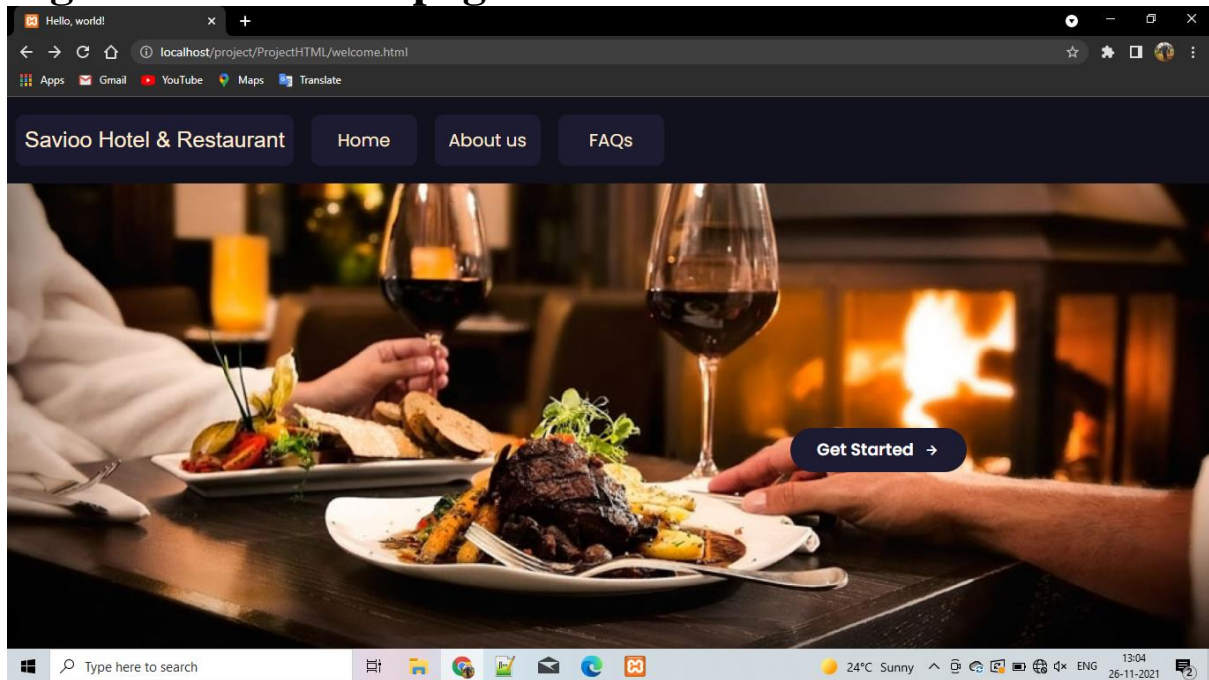For authenticating the user we have used MySql authentication**.**

.Creating fragment for each of the menu item. Our Menu items are:

- Dashboard
- Profile
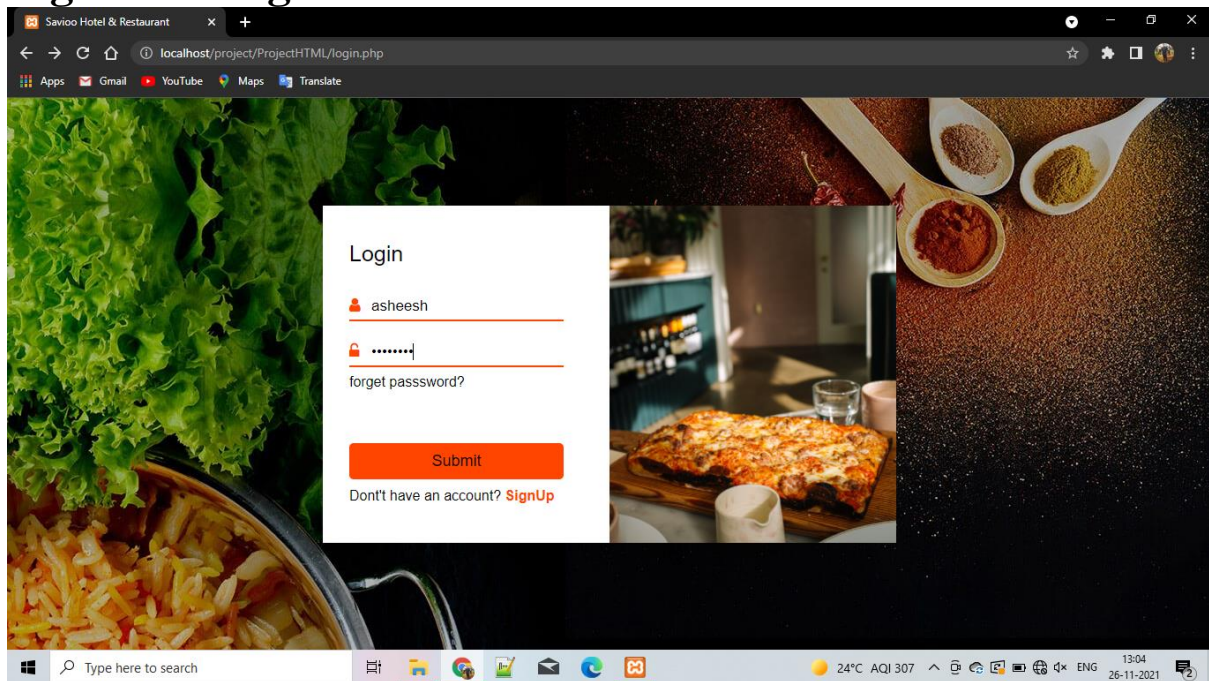- About website
- FAQs
- Sign-Out

5.1.2 Step to be followed by the user

1. Firstly, we have to open the browser start xampp server and open directory which contain related files of website.
2. Then, we have the Login activity which consists of following steps
3. Register : for new User
4. Login: For existing as well as new user
5. We authenticate and store the user information from the MySql authentication.
6. After that, we made a Dashboard of our Savioo hotel & restaurant website which includes various functionality
7. Dashboard Fragment: Show the hotel/restaurant on the genre basis and it is open by default.
8. FAQ's Fragment: It comprises all the frequently asked questions.
9. About Website : Information about the website
10. Sign-out Fragment: Remove/logout you from the app.
11. In Dashboard fragment we also include list of hotel/restaurant contains details about them.
12. After that list of the hotel/restaurant according to their selection.
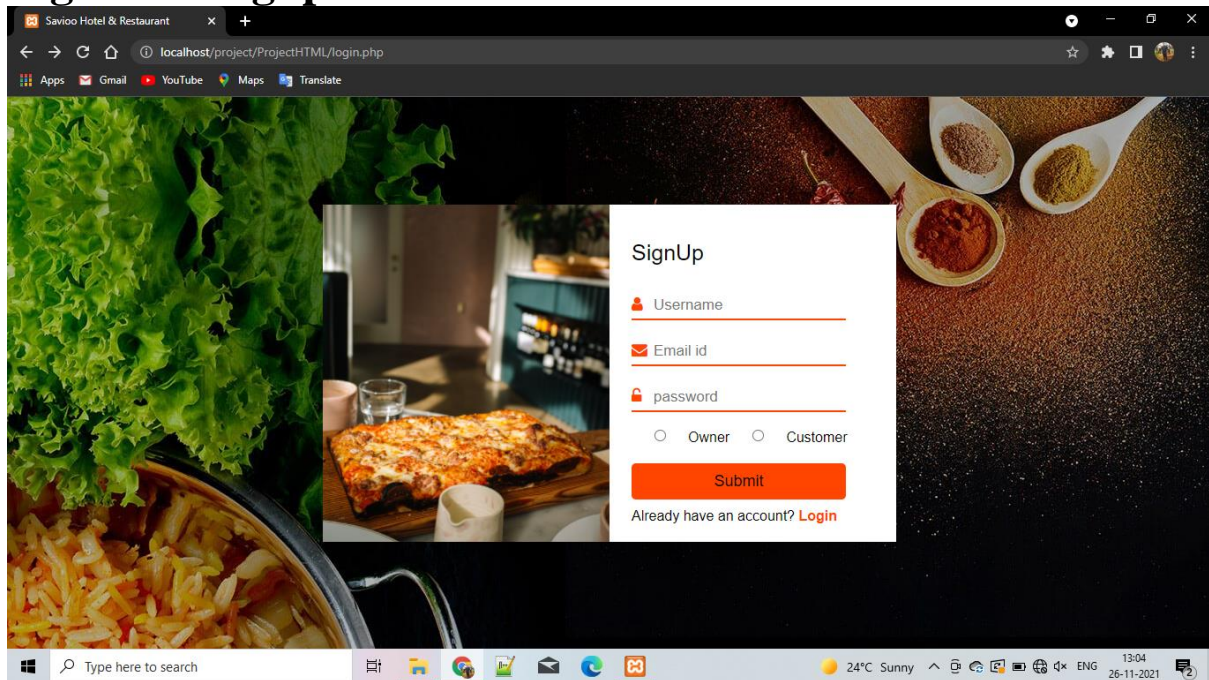13. Then the description page of the hotel/restaurant will appear.
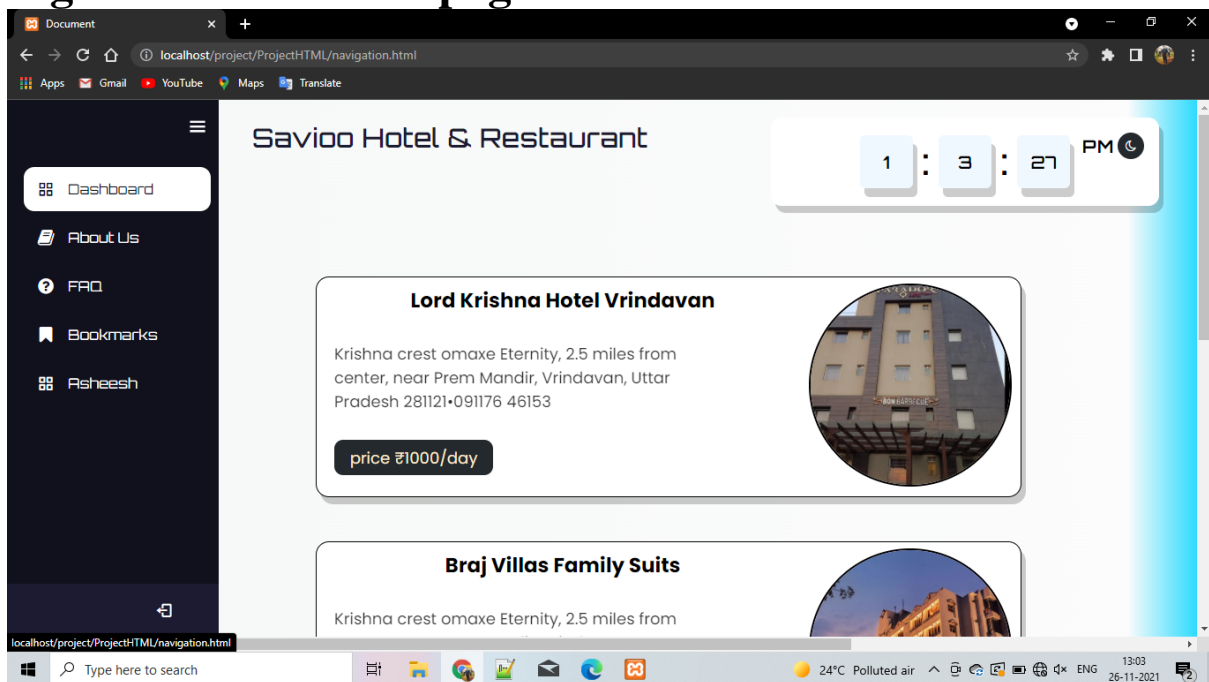
Figure-1: Welcome page

Figure-2: Login

Figure-3: Sigup
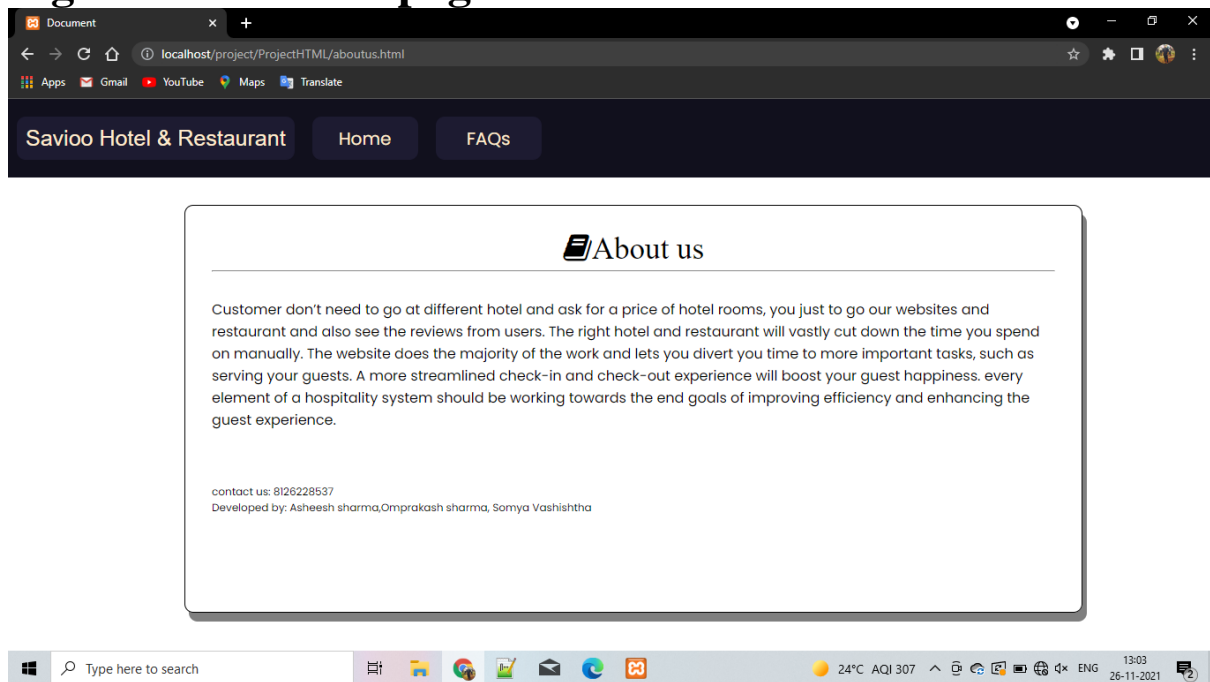

Figure-4:Dashboard page

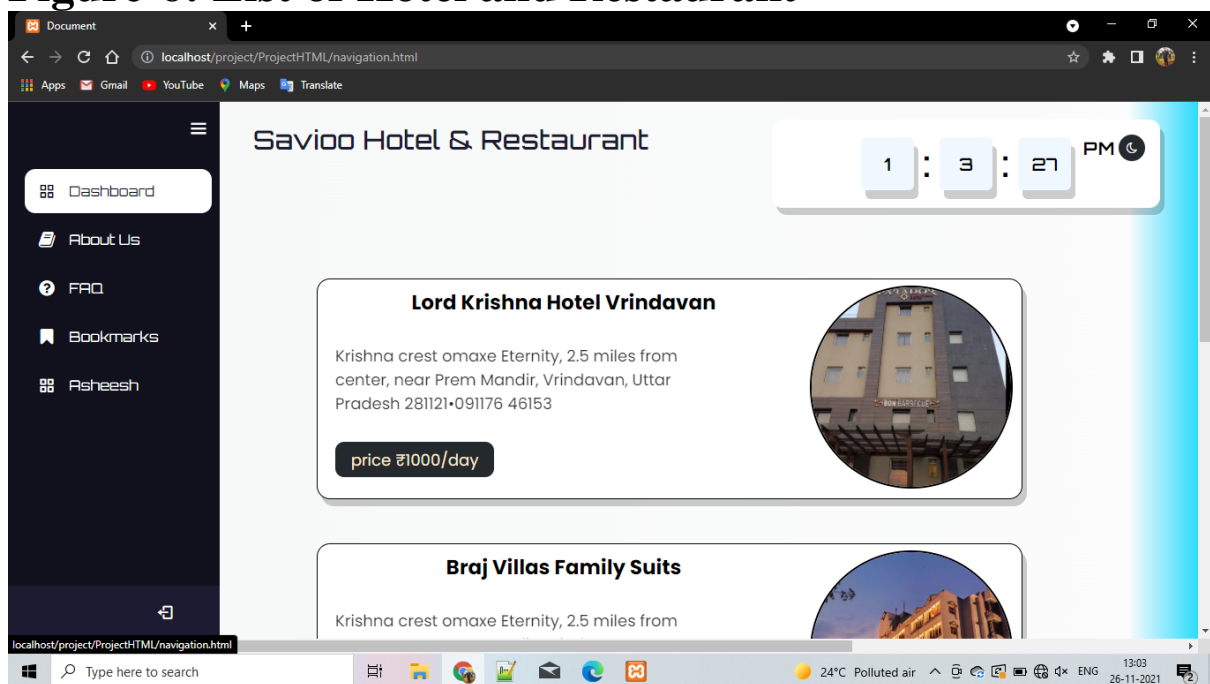# Figure-5:About us page

Figure-6: List of Hotel and Restaurant

CHAPTER – 6
<u>Testing</u>

Once source code has been generated, website must be tested to uncover as many errors as possible before delivery. It is very important to work the system successfully and achieve high quality of website. Testing include designing a series of test cases that have a high likelihood of finding errors by applying website-testing techniques.

System testing makes logical assumptions that if all the parts of the system are correct, the goal will be successfully achieved. The system should be checked logically. Validations and cross checks should be there. Avoid duplications of record that cause redundancy of data.

In other Words, Testing is the process of evaluating a system or its component(s) with the intent to find whether it satisfies the specified requirements or not. It is executing a system in order to identify any gaps, errors, or missing requirements in contrary to the actual requirements.

6.1 Load the website on browser:
First we have loaded the code on browser and check every file related to it must be working or not and opened different different bottons, links on website, logout-login etc.

6.2 User Testing
User testing is the process through which the interface and functions of a website, app, product, or service are tested by real users who perform specific tasks in realistic conditions. The purpose of this process is to evaluate the usability of that website or app and to decide whether the product is ready to be launched for real users.

This website was tested by our team mates and friends who are

using different browser and it seems to be working fine and users of this website are satisfied with the facilities .

6.3Performance Testing

In this type of testing we have checked the performances of our website under some peculiar conditions are checked. Those conditions include:
- Low memory in the device.
- Network connection low
- Poor/Bad network reception.

Performance is basically tested from 2 ends, frontend and the backend. Our website is also performing well in this phase of testing as well. And we are getting positive feedback from user of our website.

6.4Compability Testing

This website was tested and used on different devices like redmi, realme ,desktop,laptop etc. The website worked fine and is stable. there isn't any problem with compatibility.

CHAPTER -7
Conclusion

Proposed Savioo hotel & Restaurant is an website that will allow users to search for hotel & restaurant to see the prices and their addresses, contact nmber. Dashboard contains list of hotel and Restaurant where description and other information related to the hotel/restaurant will be available.

This website has wide range of scope in the upcoming era. People who are going for trip and for business purpose they can use it. The right hotel and restaurant will vastly cut down the time you spend on manually,A more streamlined check-in and check-out experience will boost your guest happiness. This website will give you right hotel & restaurant price and how hotel room looks so the people don't need to go anywhere they can just browse from home to our website and decide where they want to go.

REFERENCES

Html: https://www.w3schools.com/html/

CSS:https://www.w3schools.com/css/

Javascript:https://www.w3schools.com/js/DEFAULT.asp

PHP:https://www.w3schools.com/php/