

ABSTRACT

The CitySage Website is a dynamic online platform designed to offer users a comprehensive and personalized experience in navigating and exploring cities. This user-friendly website integrates cutting-edge technologies to provide real-time information, personalized recommendations, and interactive features, enhancing the way individuals interact with and discover urban environments.

Key features of the CitySage Website include an intuitive interface for seamless navigation, incorporating GPS technology to offer accurate and up-to-date directions to users. The platform employs machine learning algorithms to analyze user preferences, historical data, and real-time events, delivering personalized recommendations for restaurants, attractions, events, and more. The integration of augmented reality technology further enriches the user experience, allowing for an immersive exploration of city landmarks and cultural points of interest.

Community engagement is fostered through the website's interactive features, enabling users to contribute reviews, ratings, and comments, thereby creating a collaborative and reliable source of information. The inclusion of event tracking and notifications ensures users stay informed about local activities and festivals, enhancing their overall city experience.

The CitySage Website represents a modern and inclusive approach to urban exploration, leveraging technology to connect users with their surroundings, promote community engagement, and facilitate a more informed and enjoyable city experience for residents and visitors alike.

TABLE OF CONTENTS

Title	Page No.
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
TABLE OF CONTENTS	v
LIST OF TABLES	vi
LIST OF FIGURES	vii
1 Introduction	1
1.1 Background of the Project.....	1
1.1.1 Subsection Title	1
1.2 Problem Statement	1
1.3 Objectives.....	2
1.4 Scope of the Project	2
2 Literature Review.....	3
2.1 An Example On How To Add Pictures	3
2.2 Fixed Image.....	4
2.3 Advantages and Limitations of existing systems	5
3 Proposed System	6

3.1	System Requirements	6
3.1.1	Subsection Title	6
3.2	Design of the System	6
3.2.1	Subsection Title	6
3.3	Algorithms and Techniques used	7
3.3.1	Subsection Title	7
4	Implementation	8
4.1	Tools and Technologies used	8
4.1.1	Subsection Title	8
4.2	Modules and their descriptions	8
4.2.1	Subsection Title	8
4.3	Flow of the System.....	9
4.3.1	Subsection Title	9
5	Results and Analysis	10
5.1	Performance Evaluation	10
5.1.1	Subsection Title	10
5.2	Comparison with existing systems.....	10
5.2.1	Subsection Title	10
5.3	Limitations and future scope	11
5.3.1	Subsection Title	11
6	Conclusion and Recommendations.....	12
6.1	Summary of the Project.....	12
6.2	Contributions and achievements	12
6.3	Recommendations for future work.....	12
	References.....	13
	Appendices.....	14

A	Source code	15
B	Screen shots	17
C	Data sets used in the project.....	18

List of Tables

2.1	Sensor Specifications	5
2.2	Modeled Hosts Configuration	5

List of Figures

2.1	Figure Title.....	3
2.2	Figure Title.....	4
2.3	Inertial Measurement Unit	4
B.1	Figure Title.....	17

Chapter 1

Introduction

1.1 Background of the Project

CitySage, a website guidance platform developed using html, emerges in response to the evolving dynamics of digital retail. This project stems from the increasing complexity of urban environments and the need for innovative solutions to enhance the way people navigate and engage with cities. Rapid urbanization, population growth, and technological advancements have led to a myriad of challenges, such as traffic congestion, information overload, and a lack of personalized experiences for residents and visitors.

1.1.1 Technology Stack

Incorporating a robust technological foundation is essential for City Sage's success. This section highlights the key technologies, with a focus on the HTML and CSS framework, along with MYSQL database chosen to drive the development of this innovative guidance platform. It sets the stage for a discussion on how these technologies contribute to the project's objectives.

Sub Sub Section Title

Within the technology stack, the sub-subsection delves into specific components and functionalities enabled by the HTML framework. It provides insights into how MYSQL facilitates the development of a responsive and efficient website for CitySage.

1.2 Problem Statement

Traditional city navigation systems lack efficiency, causing challenges in complex urban environments. Users face information overload, outdated maps, and limited community engagement. Current solutions often neglect accessibility and personalization, failing to leverage modern technologies. The problem lies in the need for an intelligent, user-centric City Guide that simplifies navigation, offers real-time updates, engages the community, and embraces cutting-edge technologies for a personalized, inclusive, and seamless urban exploration experience.

1.3 Objectives

The CitySage project aims to simplify urban navigation with real-time updates and personalized recommendations, leveraging machine learning and cutting-edge technologies. By fostering community engagement, enhancing accessibility, and promoting sustainable exploration, the project strives to create a seamless and enjoyable user experience. The objectives include connecting residents and visitors, offering a collaborative platform for diverse information, events, and recommendations. Through these goals, the CitySage project aspires to revolutionize city exploration, providing an intelligent, inclusive, and community-driven solution for navigating and experiencing urban environments.

1.4 Scope of the Project

City Guide Web Application is a comprehensive and innovative solution designed to enhance the experience of both residents and visitors in urban environments. It provides users with real-time information, recommendations, and interactive features that empower them to navigate and explore the city more efficiently and enjoyably.

Chapter 2

Literature Review

City guide website have become increasingly popular in recent years, as people rely more and more on their smartphones to navigate new places and find information about local businesses and attractions. These applications typically use a variety of data sources, including maps, GPS coordinates, and user reviews, to provide users with a comprehensive and informative guide to their surroundings.

One of the key challenges in developing a city guide application is ensuring that the data is up-to-date and accurate. This can be difficult, as businesses and attractions can change frequently. Additionally, city guide applications must be able to provide users with relevant and personalized information, based on their interests and needs.

2.1 An Example On How To Add Pictures

To add pictures to a city guide application, you can use a variety of methods. One common approach is to use a content delivery network (CDN) to host the images. This can help to improve the performance and scalability of your application.

Another approach is to store the images in a database. This can be more flexible, but it can also be more complex to implement.

2.2 Fixed Image

To fix an image in a city guide application, you can use the position property to specify where the image should be displayed on the screen. You can also use the z-index property to control the layering of the image.

For example, the following code would fix the image at the top of the screen:

```

```

2.3 Advantages and Limitations of existing systems

Existing city guide applications offer a number of advantages. They are typically easy to use and provide users with a wealth of information about local businesses and attractions. However, they also have some limitations. For example, they may not be as accurate or up-to-date as dedicated city guide applications. Additionally, they may not be as personalized, as they may not take into account the user's interests and needs.

The following are some examples of data that could be used in a city guide project:

- Maps and GPS coordinates
- Business listings, including name, address, phone number, and website
- User reviews
- Attraction descriptions, including hours of operation, admission fees, and directions
- Event listings
- Public transportation information
- Weather information

This data can be collected from a variety of sources, including online directories, government websites, and social media. It is important to ensure that the data is accurate and up-to-date.

Once the data has been collected, it can be stored in a database or other data storage system. This will make it easy to access and update the data as needed.

The data can then be used to develop a city guide application. The application can be developed for a variety of platforms, such as smartphones, tablets, and web browsers.

The application should be designed to be easy to use and should provide users with the information they need to find their way around the city and discover new places to visit.

Chapter 3

Proposed System

3.1 System Requirements

The CitySage website is designed to meet the evolving needs of users. The system requirements are tailored to ensure seamless functionality, user engagement, and secure transactions.

3.1.1 Platform Compatibility

CitySage is optimized for various platforms, including desktops, tablets, and smartphones. The responsive design ensures a consistent and user-friendly experience across devices.

3.2 Design of the System

City Sage system design prioritizes a visually appealing and intuitive interface. The design elements are curated to enhance user navigation, explore the pages, and overall engagement.

3.2.1 User Experience Optimization

The system design focuses on optimizing the user experience, implementing features such as personalized recommendations, intuitive navigation, and a visually captivating layout.

3.3 Algorithms and Techniques Used

To enhance functionality and user satisfaction, CitySage employs cutting-edge algorithms and techniques. These are strategically chosen to refine search capabilities, recommendation engines, and overall system performance.

3.3.1 Personalized Recommendation Algorithm

The CitySage website employs collaborative filtering for personalized recommendations. It analyzes user-item interactions, calculates user similarity, and identifies a neighborhood of similar users. Weighted ratings from this

neighborhood guide top-N recommendations, enhancing user experience by suggesting city places based on similar users' preferences. This algorithm, integrated into the website's backend, continuously refines suggestions through user feedback, creating a dynamic and tailored exploration experience.

Chapter 4

Implementation

4.1 Tools and Technologies Used

The implementation phase of CitySage leverages cutting-edge tools and technologies to ensure a robust and scalable e-commerce platform.

4.1.1 Development Framework

The City Guide website utilizes HTML for the front-end, Servlets for the back-end, and SQL for the database. This technology stack enables a responsive user interface, efficient server-side logic, and robust data management, fostering the development of an innovative and user-centric platform for city exploration.

4.2 Modules and Their Descriptions

CitySage comprises modular components, each contributing to a seamless user experience. These modules are designed to cater to specific functionalities, enhancing the overall performance of the platform.

4.3 Flow of the System

The flow of CitySage is meticulously designed to guide users through an intuitive and engaging journey, from exploring the city to secure booking.

Chapter 5

Results and Analysis

5.1 Performance Evaluation

CitySage undergoes rigorous performance evaluation to ensure optimal user experience. The platform's response time, server stability, and overall performance metrics are analyzed to meet and exceed user expectations.

5.1.1 User Interaction Responsiveness

This subsection evaluates the responsiveness of user interactions, focusing on the speed and efficiency of navigating through product catalogs and completing the booking process.

5.2 Comparison with Existing Systems

CitySage is benchmarked against existing e-commerce systems to showcase its unique features and improvements, providing users with a superior navigation experience.

5.2.1 Feature Comparison: Personalized Recommendations

This subsection compares CitySage personalized recommendation algorithm with those of existing systems. The emphasis is on highlighting the platform's ability to offer tailored product suggestions based on user preferences.

5.3 Limitations and Future Scope

While CitySage aims for excellence, this section acknowledges limitations encountered during implementation and outlines the envisioned future scope for enhancements and expansions.

5.3.1 Scalability for Global Expansion

Exploring the future scope, this subsection discusses plans for scaling CitySage to cater to a global audience. It envisions enhancements in infrastructure and logistics to support increased user traffic.

In summary, the results and analysis section provides insights into the performance evaluation, comparison with existing systems, and outlines the limitations and future scope of CitySage. The focus is on ensuring a high-quality user experience and continuous improvement to meet evolving user needs.

Chapter 6

Conclusion and Recommendations

6.1 Summary of the Project

The CitySage project revolutionizes urban exploration through a comprehensive platform. Integrating React, Node.js, and PostgreSQL, it offers real-time navigation, personalized recommendations, and augmented reality. Community engagement and sustainability features enhance the inclusive and user-centric experience, creating a modern, dynamic, and innovative city exploration solution.

6.2 Contributions and Achievements

The project successfully achieves its objectives by implementing cutting-edge technologies, personalized recommendation algorithms, and an intuitive user interface. Key contributions include the development of a responsive design, robust user account management, and a personalized recommendation system that enhances the overall user experience.

6.3 Recommendations for Future Work

For the future development of the City Guide project, enhancements include exploring advanced user interactions and emerging technologies like extended reality. Implementing dynamic personalization through machine learning, expanding to multiple cities, and incorporating real-time collaboration features will enrich the user experience. Prioritizing accessibility, integrating with smart city initiatives, and introducing gamification elements ensure a comprehensive and inclusive platform. Enhancements also involve encouraging user-generated content and establishing a continuous feedback loop, fostering a dynamic and evolving urban exploration experience that aligns with technological advancements and user preferences.

Bibliography

Appendices

Appendix A

Source code:

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style.css" />
  <title>City sage</title>
</head>
<body>
  <p>"Explore. Discover. Wander with us: Your Ultimate Travel Companion!"</p>
  <button class="button" onclick="window.location.href = 'home.html';">GET STARTED</button>

</body>
</html>
```

Style.css

```
/*
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/CascadeStyleSheet.css to edit this template
*/
/*
  Created on : 30-Sep-2023, 10:57:37 am
  Author    : jayas
*/

body {
  margin: 0;
  padding: 0;
  background-image: url('images/CITY SAGE.png');
  background-size: cover;
  background-position: center;
  font-family: 'Trebuchet', serif;
  font-size: 40px;
  height: 100vh;
  display: flex;
  flex-direction: column;
  justify-content: center;
  color: white;
  align-items: center;
}
```

```

/* Style for the button */
.button {
  background-color: #007BFF;
  color: #fff;
  padding: 10px 20px;
  border: none;
  border-radius: 5px;
  cursor: pointer;
  font-size: 20px;
  transition: background-color 0.3s ease;
}

.button:hover {
  background-color: #0056b3; /* Change to your desired hover color */
}

```

Home.html

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="style1.css">
  <title>City Sage</title>
</head>
<body>
  <header>
    <a href="index.html">Home</a>
    <a href="attractions.html">Attractions</a>
    <a href="rest.html">Restaurants</a>
    <a href="events.html">Events</a>
    <a href="tours.html">Tours</a>
    <a href="contact.html">Contact</a>
  </header>
  <div id="google_translate_element"></div>
  <div class="hero">
    <h1>Welcome to City Sage</h1>
    <p>Your go-to resource for exploring the city!</p>
    <button class="button" onclick="window.location.href =
'https://maps.app.goo.gl/AbY3KnW9XUeiPMck9';">VIEW CITY MAP!!</button>
  </div>

  <div class="featured-content">
    <div class="featured-item">
      <h2>Top Attractions</h2>
      <p>Explore the city's must-visit attractions.</p>
    </div>
    <div class="featured-item">
      <h2>Popular Restaurants</h2>
      <p>Discover the best dining experiences in town.</p>
    </div>
    <div class="featured-item">
      <h2>Upcoming Events</h2>
      <p>Stay updated on exciting events happening in the city.</p>
    </div>
  </div>
  <footer class="footer">

```

```

        &copy; 2023 CITY SAGE
    </footer>
    <script type="text/javascript">
    function googleTranslateElementInit() {
        new google.translate.TranslateElement({pageLanguage: 'en', layout:
google.translate.TranslateElement.InlineLayout.SIMPLE}, 'google_translate_element');
    }
    </script>

    <script type="text/javascript"
src="//translate.google.com/translate_a/element.js?cb=googleTranslateElementInit"></script>
</body>
</html>

```

Style1.css

```

/*
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/CascadeStyleSheet.css to edit this template
*/
/*
    Created on : 30-Sep-2023, 2:44:06 pm
    Author    : jayas
*/

body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-image: url('images/home.png');
    background-repeat: no-repeat;
    background-size: cover;
}
header {
    background-color: #333;
    color: #fff;
    padding: 10px 0;
    text-align: center;
}
header a {
    color: #fff;
    text-decoration: none;
    font-weight: bold;
    margin: 0 20px;
}
header a:hover {
    text-decoration: underline;
}
.hero {
    text-align: center;
    padding: 100px 0;
}
.hero h1 {
    font-family: 'Times New Roman', serif;
    font-size: 36px;
    margin-bottom: 20px;
}
.button {

```

```

        background-color: burlywood;
        color: black;
        padding: 10px 20px;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        font-size: 20px;
        transition: background-color 0.3s ease;
    }

    .button:hover {
        background-color: brown;
    }
    .featured-content {
        display: flex;
        justify-content: center;
        align-items: flex-start;
        flex-wrap: wrap;
        margin: 20px;
    }
    .featured-item {
        flex: 1;
        margin: 10px;
        padding: 20px;
        background-color: #fff;
        box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1);
        border-radius: 5px;
        text-align: center;
    }
    .footer {
        background-color: #333;
        color: #fff;
        text-align: center;
        padding: 15px 0;
    }

```

Contact.html

```

<!DOCTYPE html>
<!--
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Html.html to edit this template
-->
<html>
<head>
<script>
    function validateForm() {
function validateEmail(){
var email = document.querySelector('input[name="email"]');
var emailPattern = /^[a-z0-9._%+-]+@[a-z0-9.-]+\.[\w]{2,}$/;
if (!emailPattern.test(email.value)) {
    alert('Please enter a valid Gmail email address.');
```

email.focus();

```

    return false;
}
return true;
}
}
</script>

```

```

<title>city sage</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="style3.css">
</head>
<body>
  <header>
    <a href="index.html">Home</a>
    <a href="attractions.html">Attractions</a>
    <a href="rest.html">Restaurants</a>
    <a href="events.html">Events</a>
    <a href="tours.html">Tours</a>
    <a href="contact.html">Contact</a>
  </header>
  <div id="google_translate_element"></div>

  <form action="ContactServlet" method="post" onsubmit="return validateForm();">
    NAME : <input type="text" name="uname" required> <br>
    MOBILE: <input type="text" name="pw" required> <br>
    EMAIL ID : <input type="text" name="email" required> <br>
    COUNTRY : <select name="coun" required>
      <option>select...
      <option> India
      <option> Bangladesh
      <option> Bhutan
      <option> Canada
      <option> Australia
    </select> <br>
    MESSAGE : <input type="text" name="message"> <br>
    <input type="submit" value="SEND MESSAGE">
  </form>

  <script type="text/javascript">
function googleTranslateElementInit() {
  new google.translate.TranslateElement({pageLanguage: 'en', layout:
google.translate.TranslateElement.InlineLayout.SIMPLE}, 'google_translate_element');
}
</script>
<script type="text/javascript"
src="//translate.google.com/translate_a/element.js?cb=googleTranslateElementInit"></script>
<footer class="footer">
  &copy; 2023 CITY SAGE
</footer>
</body>
</html>

```

Style3.css

```

body {
  margin: 0;
  padding: 0;
  background-image: url('images/ctbg.png');
  background-size: cover;
  background-repeat: no-repeat;
}
header {
  font-family: Arial, sans-serif;
  color: #fff;

```

```

        padding: 10px 0;
        text-align: center;
        background-color: #333;
    }
    header a {
        color: #fff;
        text-decoration: none;
        font-weight: bold;
        margin: 0 20px;
    }
    header a:hover {
        text-decoration: underline;
    }
    form {
        width: 500px;
        margin: 80px auto;
        border: 5px solid black;
        padding: 20px;
        font-weight: bold;
        background-color: aliceblue;
    }

input,
select {
    width: 98%;
    margin-bottom: 10px;
    padding: 5px;
    border: 5px solid #ccc;
    border-radius: 2px;
}

select {
    height: 35px;
    width: 102%;
}

input[type="submit"] {
    background-color: #000;
    color: #fff;
    padding: 10px;
    border-radius: 5px;
    cursor: pointer;
    font-size: 20px;
    margin : auto;
    width: 98%;
}

.footer {
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 15px 0;
    margin-top: 5px;
    font-family: Arial, sans-serif;
}

```

ContactServlet.html

```
package jaya;

import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.*;
import java.sql.*;

/**
 *
 * @author jayas
 */
public class ContactServlet extends HttpServlet
{ @Override
  public void doPost(HttpServletRequest request, HttpServletResponse response) throws IOException
  { Connection con=null;
    PreparedStatement ps=null;
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    String username=request.getParameter("uname");
    String mobile=request.getParameter("pw");
    String emailid=request.getParameter("email");
    String country=request.getParameter("coun");
    String message=request.getParameter("message");

    String deleteName = request.getParameter("deleteName");
    try
    { Class.forName("com.mysql.jdbc.Driver");
      con=DriverManager.getConnection("jdbc:mysql://localhost:3306/citysage","root","Jayasree@123");
      out.println("connection done successfully...");
      ps=con.prepareStatement("insert into contact values (?,?,,?,?)");
      ps.setString(1,username);
      ps.setString(2,mobile);
      ps.setString(3,emailid);
      ps.setString(4,country);
      ps.setString(5,message);
      ps.execute();
      out.print("Data inserted successfully!!!!");

      if (deleteName != null) {
        // Delete operation
        ps = con.prepareStatement("delete from users where uname = ?");
        ps.setString(1, deleteName);
        ps.executeUpdate();
        out.print("Data deleted successfully!!!!");
      }

    } catch (ClassNotFoundException | SQLException e) {
      out.println(e);
    } finally {
      try {
        if (ps != null) {
          ps.close();
        }
        if (con != null) {
          con.close();
        }
      }
    }
  }
}
```



```

    }
    } catch (SQLException e) {
        out.println(e);
    }
}
out.println("<b>"+ "<b>");
out.println ("Welcome " + username);
out.println ("</br>"+ "</br>");
}
}

```

Book.html

```

<!DOCTYPE html>
<!--
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Html.html to edit this template
-->
<html>
    <head>
        <title>city sage</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <link rel="stylesheet" href="style8.css">
    </head>
    <body>
        <header>
            <a href="index.html">Home</a>
            <a href="attractions.html">Attractions</a>
            <a href="rest.html">Restaurants</a>
            <a href="events.html">Events</a>
            <a href="tours.html">Tours</a>
            <a href="contact.html">Contact</a>
        </header>
        <div id="google_translate_element"></div>

        <form action="BookingServlet" method="post">
            <label for="name">NAME:</label>
            <input type="text" id="uname" name="uname" required>

            <label for="email">EMAIL:</label>
            <input type="email" id="email" name="email" required>

            <label for="date">SELECT DATE:</label>
            <input type="date" id="date" name="date" required>

            <button type="submit">BOOK NOW</button>
        </form>

        <div id="calendar"></div>

        <script>
            // You can use a library like FullCalendar (https://fullcalendar.io/) for a more advanced calendar.
            // Here, I'm just using a simple date input for demonstration purposes.

            // You can add your booking logic using JavaScript, e.g., sending data to a server.

            document.getElementById('bookingForm').addEventListener('submit', function(event) {
                event.preventDefault();

```

```

        alert('Booking submitted!'); // Replace this with your actual booking logic.
    });
</script>
<script type="text/javascript"
src="//translate.google.com/translate_a/element.js?cb=googleTranslateElementInit"></script>
<footer class="footer">
    &copy; 2023 CITY SAGE
</footer>

</body>
</html>

```

Style8.css

```

/*
Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/CascadeStyleSheet.css to edit this template
*/
/*
Created on : 09-Nov-2023, 10:43:31 pm
Author : jayas
*/
body {
    margin: 0;
    padding: 0;
    background-image: url('images/ctbg.png');
    background-size: cover;
    background-repeat: no-repeat;
}
header {
    font-family: Arial, sans-serif;
    color: #fff;
    padding: 10px 0;
    text-align: center;
    background-color: #333;
}
header a {
    color: #fff;
    text-decoration: none;
    font-weight: bold;
    margin: 0 20px;
}
header a:hover {
    text-decoration: underline;
}
form {
    width: 500px;
    margin: 80px auto;
    border: 5px solid black;
    padding: 20px;
    font-weight: bold;
    background-color: aliceblue;
}

label {
    display: block;
    font-size: 16px;
    margin-bottom: 10px;
    margin-top: 10px;
}

```

```

input, select, textarea {
    width: 100%;
    border: 1px solid #ccc;
    padding: 5px;
    font-size: 16px;
}

button {
    width: 100%;
    margin-top: 20px;
    padding: 10px 0;
    background-color: #000;
    color: #fff;
    font-size: 20px;
}

#calendar {
    width: 100%;
    height: 300px;
}

.footer {
    font-family: Arial, sans-serif;
    background-color: #333;
    color: #fff;
    text-align: center;
    padding: 5px 0;
    margin-top: 5px;
}

```

BookingServlet

```

package jaya;

import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;
import java.io.*;
import java.sql.*;

/**
 *
 * @author jayas
 */
public class BookingServlet extends HttpServlet
{ @Override
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws IOException
    { Connection con=null;
      PreparedStatement ps=null;
      response.setContentType("text/html");
      PrintWriter out = response.getWriter();
      String username=request.getParameter("uname");
      String emailid=request.getParameter("email");
      String date=request.getParameter("date");

      String deleteName = request.getParameter("deleteName");
      try
      { Class.forName("com.mysql.jdbc.Driver");

```

```

con=DriverManager.getConnection("jdbc:mysql://localhost:3306/citysage","root","Jayasree@123");
out.println("connection done successfully...");
ps=con.prepareStatement("insert into booking values (?,?,?)");
ps.setString(1,username);
ps.setString(2,emailid);
ps.setString(3,date);
ps.execute();
out.print("Data inserted successfully!!!!");

```

```

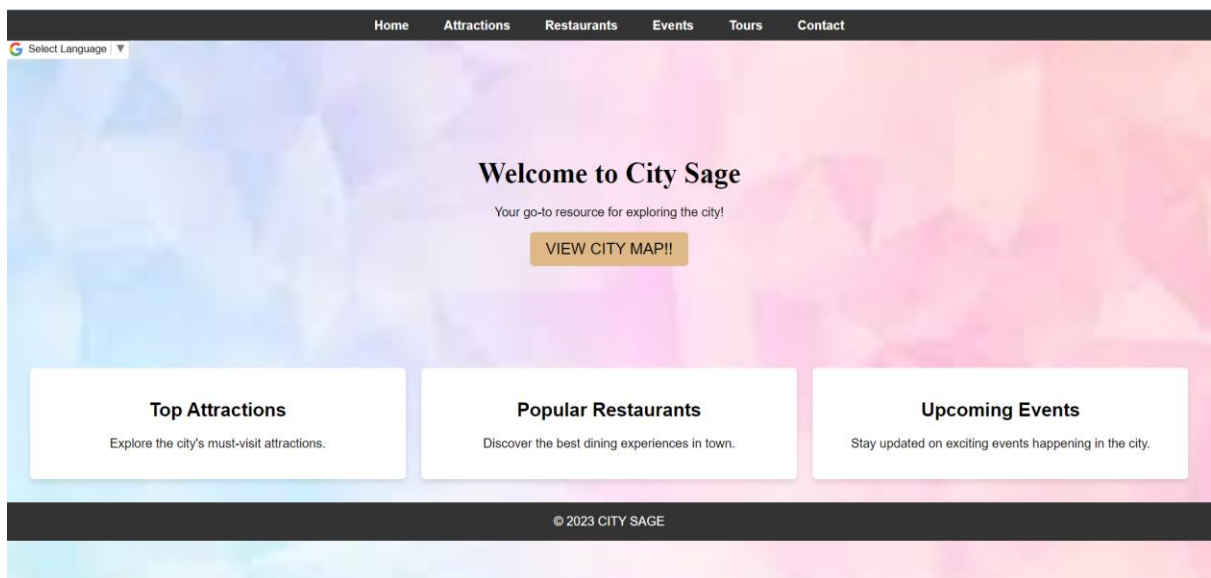
        if (deleteName != null) {
            // Delete operation
            ps = con.prepareStatement("delete from users where uname = ?");
            ps.setString(1, deleteName);
            ps.executeUpdate();
            out.print("Data deleted successfully!!!!");
        }

    } catch (ClassNotFoundException | SQLException e) {
        out.println(e);
    } finally {
        try {
            if (ps != null) {
                ps.close();
            }
            if (con != null) {
                con.close();
            }
        } catch (SQLException e) {
            out.println(e);
        }
    }
}
out.println("<b>"+"<b>");
out.println ("Welcome " + username);
out.println ("</br>"+"</br>");
}
}

```

Appendix B

Screen shots



[Home](#)
[Attractions](#)
[Restaurants](#)
[Events](#)
[Tours](#)
[Contact](#)


ATTRACTIONS OF HYDERABAD!!

Select Language

CABLE BRIDGE-DURGAM CHERUVU

The Durgam Cheruvu Bridge is a beautiful cable bridge stretching between Jubilee Hills and the Financial District. It is the longest bridge in Hyderabad and perfect for a night drive when the bridge lights up brilliantly.


The bridge is adorned with walking and cycling ramps as well. This allows visitors to stop and look out over the Durgam Cheruvu lake which acts as its namesake. It is located near the Inorbit Mall in Madhapur which is a popular shopping destination as well.



QUTUB SHAHI TOMBS

The Qutb Shahi Tombs are situated in the Ibrahim Bagh, close to the celebrated Golconda Fort in Hyderabad, India. They contain the tombs and mosques wooded by the different lords of the Qutb Shahi line. The arches were initially overlaid with blue and green tiles, of which just a couple of pieces currently remain.


It's the founding history that makes the Qutb Shahi Tombs, also known as Seven Tombs, so interesting. Located near Golkonda Fort, Seven Tombs is the resting place for the seven original Sultans of Hyderabad (also called Deccan or Golkonda).



SHILPARAMAM


Shilparamam is an arts and crafts village located in Madhapur, Hyderabad, Telangana, India. The village was conceived with an idea to create an environment for the preservation of traditional Indian crafts. There are ethnic festivals round the year. The rural museum, surrounded by trees, is a miniature depiction of typical Indian village. It provides a window to rural life for city dwellers and those who have never visited a village before.

The sculpture park here is the first of its kind in India. Besides buying some worthy crafts you can also go boating here. There are pedal boats inside the Shilparamam which have attractive designs.



[Home](#)
[Attractions](#)
[Restaurants](#)
[Events](#)
[Tours](#)
[Contact](#)

Select Language




PARADISE BIRYANI

Paradise Biryani is a renowned restaurant chain in Hyderabad, famous for its delectable and flavourful biryani dishes, including the Hyderabad Dum Biryani, served with succulent meat or aromatic spices, and often considered one of the city's culinary treasures.

Dine-in · Takeaway · Delivery

GO TO..!




ABs-ABSOLUTE BARBEQUES

A buffet restaurant that is specialised in BBQ varieties, Indian cuisine, exotic meats, continental specials, and drool-worthy desserts where you can come with your family and friends, and have a gala time, every day of the week if you so wish. That's Absolute Barbecues

Dine-in · Takeaway · No-contact delivery

GO TO..!



OHRI'S GUHA

Dim lights and spooky noise welcomes you into a cave where the aroma of the food will entice you. The décor of this famous food restaurant is absolutely something to look out for. The place is decorated keeping the wild side of the jungle in mind, which makes it interesting for children as well as adults.

Dine-in · Takeaway · No-contact delivery


GO TO..!

[Home](#)
[Attractions](#)
[Restaurants](#)
[Events](#)
[Tours](#)
[Contact](#)

Select Language

EVENTS IN HYDERABAD!!

EXPERIENCES!




POWERED PARAGLIDING

BOOK NOW



INDOOR SKYDIVING

BOOK NOW



GO KARTING

BOOK NOW

EVENTS!

[Home](#)
[Attractions](#)
[Restaurants](#)
[Events](#)
[Tours](#)
[Contact](#)

NAME:

EMAIL:

SELECT DATE:

BOOK NOW

connection done successfully... Data inserted successfully!!!! **Welcome jayasree**

uname	email	date
NULL	sreejaya634@gmail.com	2023-11-09
NULL	sreejaya634@gmail.com	2023-11-09
Jaya Sree	sreejaya634@gmail.com	2023-11-09
Jaya Sree	pals@gmail.com	2023-11-16
Jaya Sree	pals@gmail.com	2023-11-16
Jaya Sree	2110030178cse@gmail.com	2023-11-09
Jaya Sree	2110030178cse@gmail.com	2023-11-09
Jaya Sree	2110030178cse@gmail.com	2023-11-09
jayasree	yugbdyhs@gmail.com	2023-11-10

Result Grid					
		Filter Rows:		Export:	Wrap Cell Content:
	uname	pw	email	coun	message
▶	Jaya Sree	8341174612	jaya	India	mmmmmmmmmmmm
	Jaya Sree	222	sreejaya634	India	mmmmm
	Jaya Sree	+9183411746	sreejaya634@gmail.com	India	kkkkkk
	niha	998652476	niha@gmail.com	India	nothing
	niha	998652476	niha@gmail.com	India	nothing

HomeAttractionsRestaurantsEventsToursContact

Select Language ▾

NAME :

MOBILE:

EMAIL ID :

COUNTRY :

select.. ▾

MESSAGE :

SEND MESSAGE

© 2023 CITY SAGE

Appendix C

Data sets used in the project

The City Sage project relies on diverse datasets to enrich user experiences and improve navigation. These datasets include:

1. City Infrastructure Data:

- Information on roads, landmarks, public transportation routes, and other essential urban infrastructure to support accurate navigation.

2. User Interaction Data:

- Collected data on user preferences, behavior, and interactions with the platform to facilitate personalized recommendations and enhance user engagement.

3. Real-Time Events Data:

- Live data feeds on local events, festivals, and activities to provide users with up-to-date information and foster community engagement.

4. Accessibility Information:

- Data on accessibility features in public spaces, including ramps, elevators, and other amenities, to cater to users with diverse needs.

5. Environmental Data:

- Information on air quality, weather conditions, and other environmental factors, contributing to sustainable and informed city exploration.

6. Community-Generated Content:

- User-generated reviews, ratings, photos, and comments providing authentic and diverse insights into city locations, contributing to a collaborative community-driven platform.

7. Augmented Reality Assets:

- Assets and data for augmented reality features, including geo-tagged information about points of interest to enhance the immersive exploration experience.

8. Machine Learning Training Data:

- Historical user data used to train machine learning algorithms for personalized recommendation features.

These datasets collectively empower the City Guide project to deliver a comprehensive, real-time, and user-centric urban exploration experience, ensuring accuracy, personalization, and community engagement within the platform.

**THANK
YOU**