
A Report

On

“Online Trip Application Portal”

Submitted by

Mr. Pravin Ramkisan Thorve

PRN – UCS22M1132

Roll No. - 139

Under the guidance of

Prof. P. M. Dhanrao



DEPARTMENT OF COMPUTER ENGINEERING

SANJIVANI COLLEGE OF ENGINEERING,

KOPARGAON, 423603

Tal- Kopergaon, Dist: Ahmednagar,

Academic Year: 2024-25

**SANJIVANI COLLEGE OF ENGINEERING,
KOPARGAON**

(An Autonomous Institute)

DEPARTMENT OF COMPUTER ENGINEERING

CERTIFICATE



This is to certify that **Mr. Pravin Ramkisan Thorve** has completed his T.Y B. Report on the topic entitled “**Online Trip Management System**” This work has been carried out as part of the requirements for the award of the degree of **Bachelor of Computer Engineering** and is submitted in partial fulfillment of the prescribed syllabus for the academic year **2024-25**. We commend his dedication and effort in addressing this innovative and relevant topic, which contributes to the advancement of smart city technologies.

Prof. P. M. Dhanrao

Subject Teacher

Dr. M. A. Jawale

Head of Department

Introduction

In today's fast-paced digital world, individuals and organizations increasingly seek efficient ways to plan, organize, and manage travel experiences. The **Trip Management System** is a web-based application designed to streamline the process of planning trips, managing itineraries, and tracking travel-related information in a centralized platform.

The project is developed using **Java Servlets and JSP** for backend processing, while **HTML, CSS, and JavaScript** are used to create a responsive and user-friendly frontend interface. The system is built in a **local development environment using XAMPP**, with **MySQL** serving as the database to store user information, trip details, itineraries, and travel logs. This project aims to simulate a real-world travel management solution, offering a hands-on experience in full-stack web development and dynamic data handling.

Tech Stack Used:

Frontend:

HTML5: For structuring web pages.

CSS3: For styling the layout and user interface using internal CSS.

JavaScript: For adding interactivity and handling client-side validations.

Backend:

Java Servlets & JSP (Java Server Pages): To handle business logic, dynamic content rendering, and server-side interactions.

Java JDBC (Java Database Connectivity): For connecting and interacting with the MySQL database.

Input:

The system accepts various forms of input from different users

Trip Inputs:

Registration details (name, email, password, etc.)

trip description entry

View Listed trips

Actual Code:

AddTripPortal.java

```
package Pravin;

import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

@WebServlet("/AddTripServlet")
public class AddTripServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    public AddTripServlet() {
        super();
    }

    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
        throws ServletException, IOException {

        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String tripName = request.getParameter("tripName");
        String destination = request.getParameter("destination");
        String startDate = request.getParameter("startDate");
        String endDate = request.getParameter("endDate");
        String description = request.getParameter("description");

        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection conn = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/trip_portal_new2", "root", "");

            String sql = "INSERT INTO trips (trip_name, destination, start_date,
end_date, description) VALUES (?, ?, ?, ?, ?)";
            PreparedStatement stmt = conn.prepareStatement(sql);
            stmt.setString(1, tripName);
            stmt.setString(2, destination);
            stmt.setString(3, startDate);
            stmt.setString(4, endDate);
```

```

        stmt.setString(5, description);

        int result = stmt.executeUpdate();

        if (result > 0) {
            out.println("<h3>Trip added successfully!</h3>");
        } else {
            out.println("<h3>Failed to add trip.</h3>");
        }

        stmt.close();
        conn.close();

    } catch (ClassNotFoundException e) {
        out.println("<p>Driver not found.</p>");
    } catch (SQLException e) {
        out.println("<p>Database error.</p>");
    }
}
}

```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <title>Add a Trip</title>
```

```
    <link rel="stylesheet" href="styles.css">
```

```
</head>
```

```
<body>
```

```
    <div class="container">
```

```
        <h2>Add a Trip</h2>
```

```
        <form action="AddTripServlet" method="post">
```

```
            <label for="tripName">Trip Name:</label>
```

```
            <input type="text" id="tripName" name="tripName" required>
```

```
            <label for="destination">Destination:</label>
```

```
            <input type="text" id="destination" name="destination" required>
```

```
            <label for="startDate">Start Date:</label>
```

```
            <input type="date" id="startDate" name="startDate" required>
```

```
            <label for="endDate">End Date:</label>
```

```
            <input type="date" id="endDate" name="endDate" required>
```

```
            <label for="description">Trip Description:</label>
```

```
            <textarea id="description" name="description" required></textarea>
```

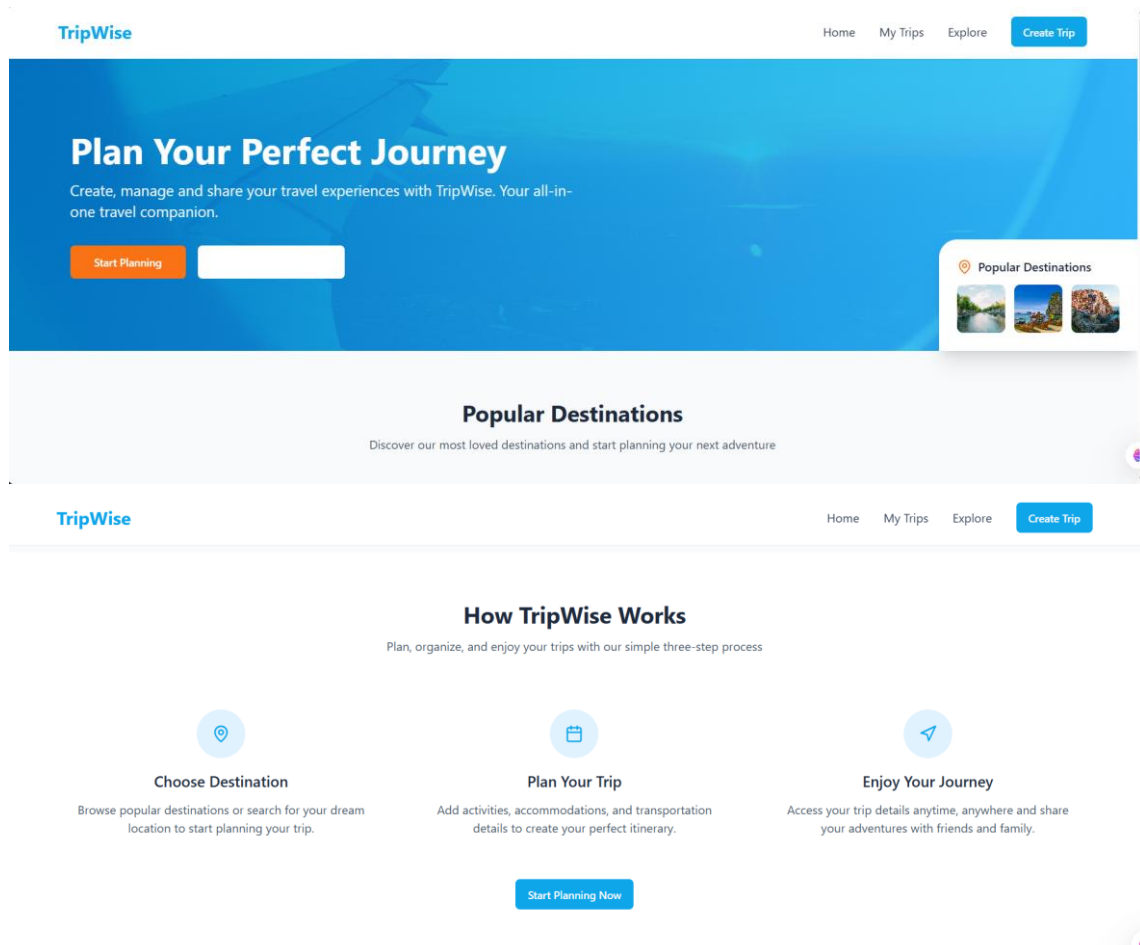
```
            <button type="submit">Submit</button>
```

```
</form>
</div>
</body>

</html>
```

```
CREATE TABLE trips (
  id INT AUTO_INCREMENT PRIMARY KEY,
  trip_name VARCHAR(100),
  destination VARCHAR(100),
  start_date DATE,
  end_date DATE,
  description TEXT
```

Output:



localhost/phpmyadmin/index.php?route=/sql&pos=0&db=job_portal_new2&table=jobs

Server: 127.0.0.1 » Database: job_portal_new2 » Table: jobs

Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)

SELECT * FROM `jobs`

Profiling [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

		id	job_title	company_name	location	salary	description
<input type="checkbox"/>	Edit	1	Data analyst	Godrej	Mumbai	8 LPA	technical role that requires an undergraduate degr...
<input type="checkbox"/>	Edit	2	data scientist	Infosys	Pune	7 LPA	B.tech

Check all | With selected: Edit | Copy | Delete | Export

Console

Press Ctrl+Enter to execute query

```
>CREATE TABLE jobs_CRUD ( job_id INT PRIMARY KEY, title VARCHAR(100), company VARCHAR(100), salary INT );
>SELECT * FROM `jobs`
>
```


Conclusion

The **Online Trip Application Portal** successfully streamlines the trip search and hiring process by connecting trip seekers with potential employers on a single platform. By incorporating features such as resume uploads, trip posting, application tracking, and admin management, the system ensures a smooth, user-friendly, and efficient recruitment experience. Developed using Java Servlets, HTML, CSS, JavaScript, and MySQL, the portal also demonstrates practical implementation of full-stack web development and database integration. Overall, this project highlights how technology can simplify real-world challenges in employment and hiring.

References

- Oracle Java Documentation – <https://docs.oracle.com/javase>
- W3Schools (HTML/CSS/JS Tutorials) – <https://www.w3schools.com/>
- Servlet & JSP Documentation (Oracle) – <https://docs.oracle.com/javaee>
- MySQL Reference Manual – <https://dev.mysql.com/doc/>
- GeeksforGeeks: Web Development Tutorials – <https://www.geeksforgeeks.org>