

TripPlannerApp User Manual

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1. Introduction

Welcome to TripPlannerApp, your personalized travel planning assistant. This application allows users to manage hotels, cars, and activities from a single dashboard.

2. System Requirements

- Operating System: Windows 10 or higher
- Java Version: JDK 11 or higher
- Browser: Chrome, Firefox, or Edge
- Database: MySQL 8.0+
- IDE: NetBeans (Recommended)

3. Installation Instructions

1. Install NetBeans IDE (<https://netbeans.apache.org/download/index.html>).
2. Execute the trippanner_script.sql file in MySQL Workbench 8.0 CE to create the TripPlannerApp database and initialize its tables.

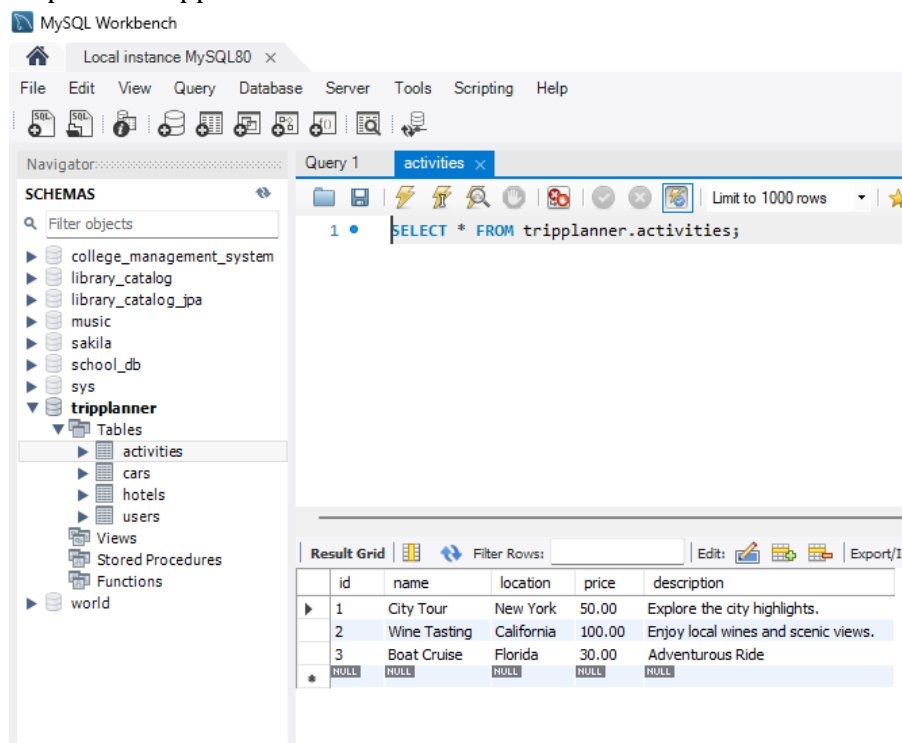


Figure 1 Trip planner schema

3. Open the project in NetBeans:

- Go to File > Open Project, select TripPlannerApp.

4. Set MySQL connection in your DBConnection.java:

```
String url = "jdbc:mysql://localhost:3306/tripplanner";  
String user = "root";  
String password = "root";
```

4. Getting Started

4.1. Creating an Account

- Visit the homepage.

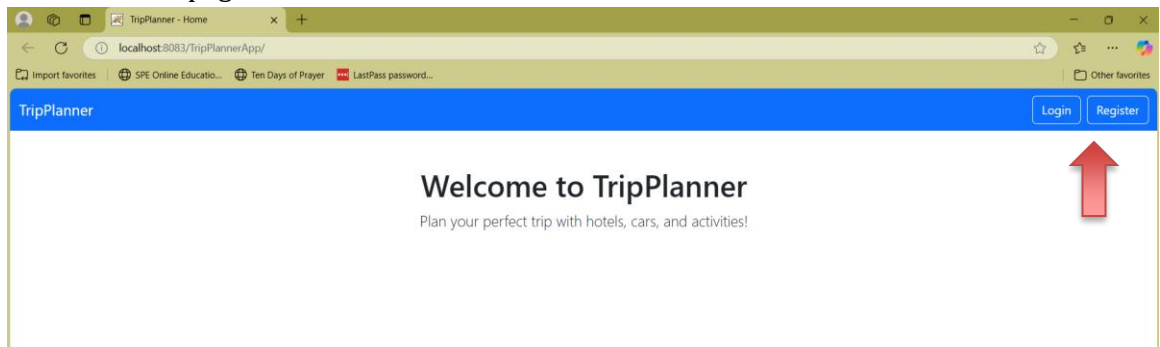


Figure 2 Homepage with register/login buttons

- Click Register.
- Enter your details (Username, Email, Password).
- Click Register.

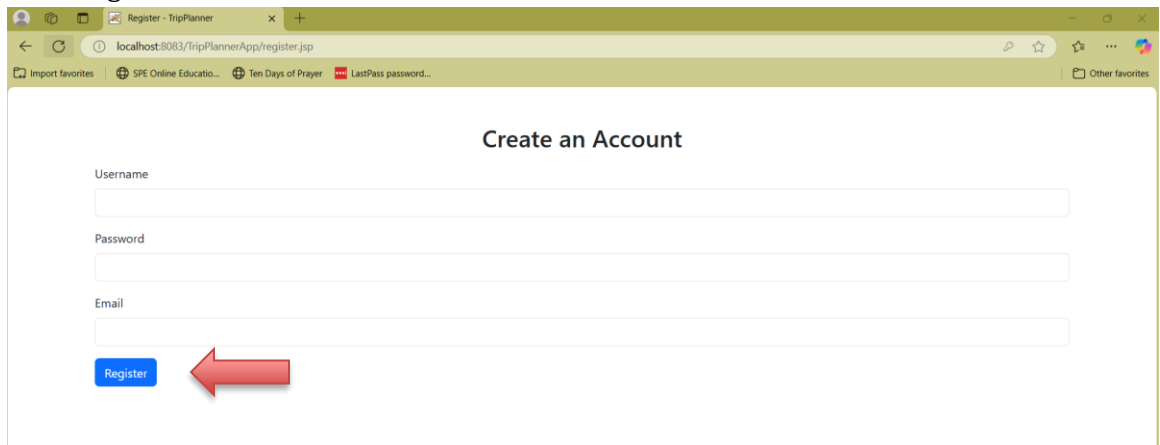


Figure 3 Registration page

4.2. Logging In

- Go to the homepage.
- Enter your email and password.
- Click Login.
- You will be redirected to your personalized dashboard.

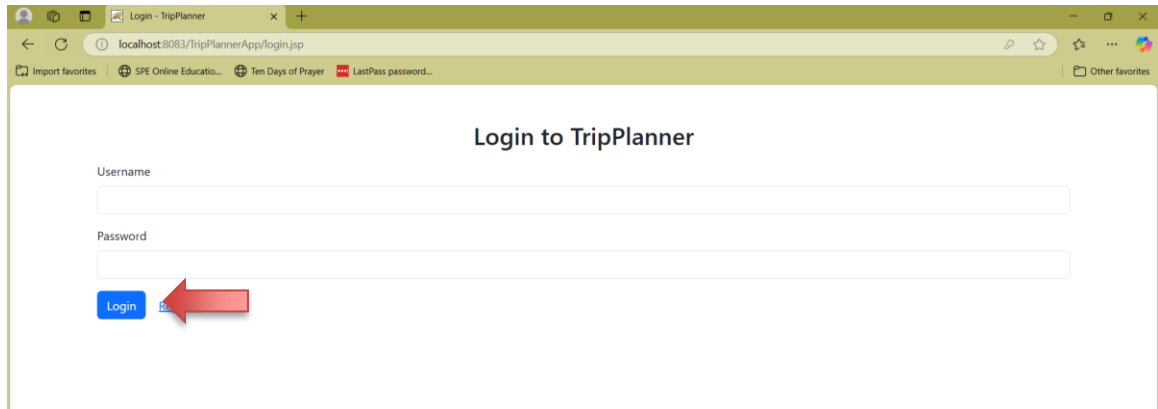


Figure 4 Login page

5. User Dashboard Overview

- After logging in, users are directed to a personalized dashboard featuring buttons for managing Hotels, Cars, and Activities, along with a display of featured cars, hotels, and activities.

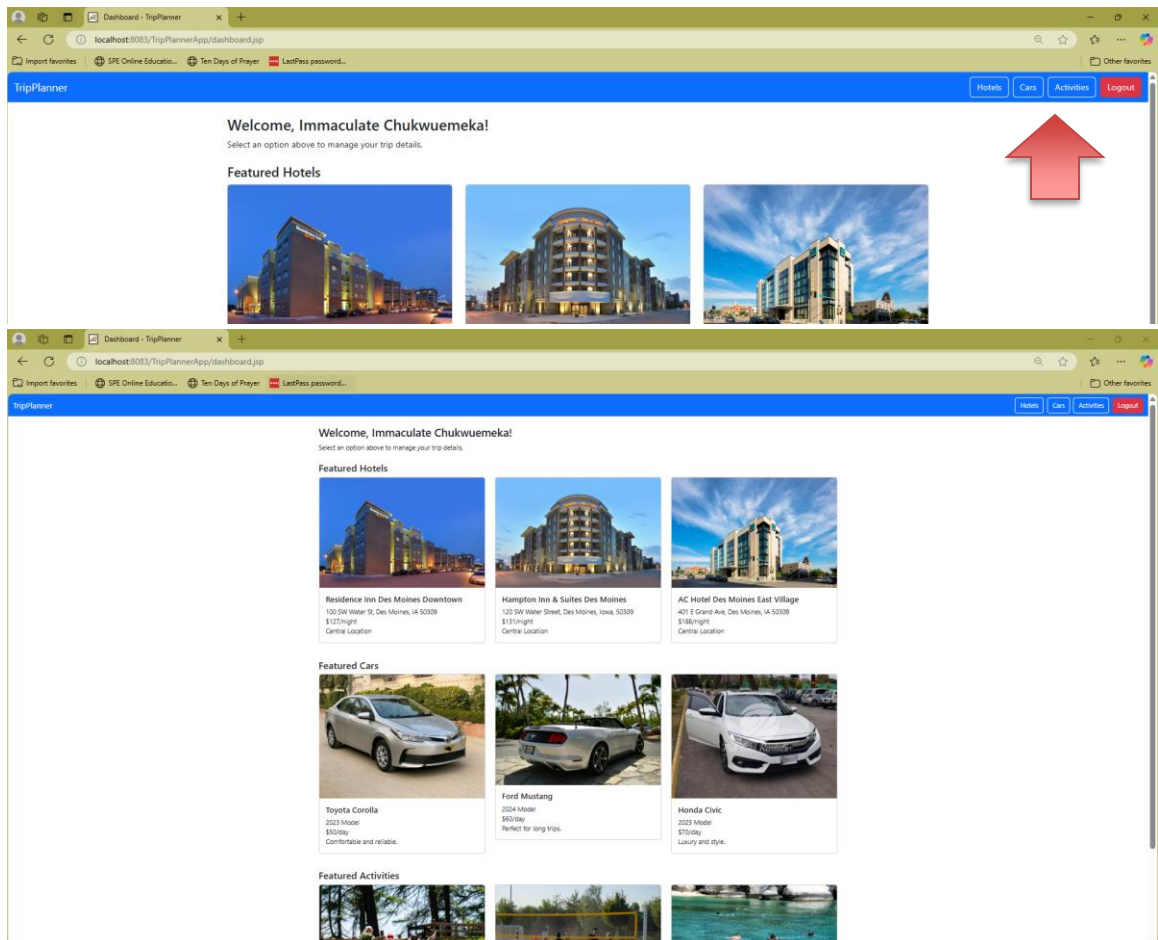


Figure 5 User Dashboard

5.1. Navigating the Dashboard

- Click on the button to access each module: Hotels, Cars, Activities.

5.2. Managing Hotels

- Click the Hotels button on the user dashboard to navigate to the Hotels page.
- There are three featured hotels displayed to help guide you in adding hotel details.
- You can delete these featured hotels to make space for your own preferences.
- To add a hotel: fill in the hotel name, location, price per night, and a brief description, then click Add Hotel.
- To edit or delete an entry: use the corresponding Edit or Delete button next to each hotel listing.

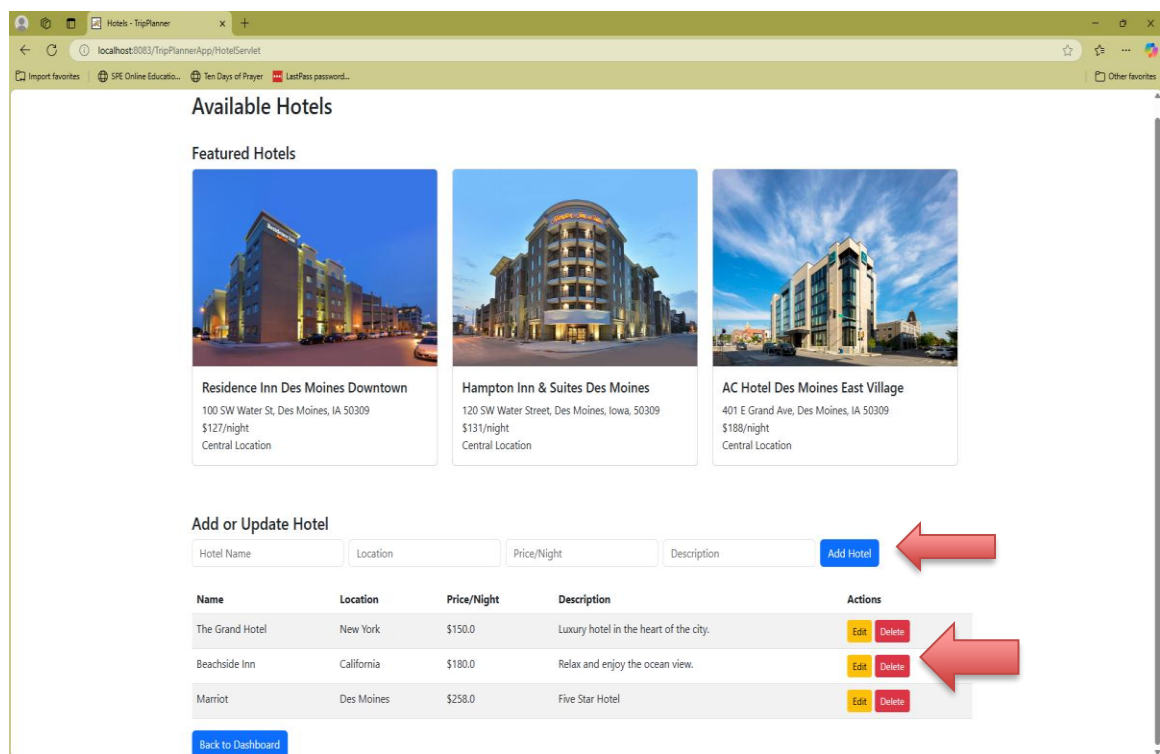


Figure 6 Hotel Dashboard

5.3. Managing Cars

- Click the Cars button on the user dashboard to navigate to the Cars page.
- There are three featured Cars displayed to help guide you in adding car details.
- You can delete these featured cars to make space for your own preferences.
- To add a car: fill in the brand name, model, rental price per day, and a brief description, then click Add Car.
- To edit or delete an entry: use the corresponding Edit or Delete button next to each car listing.

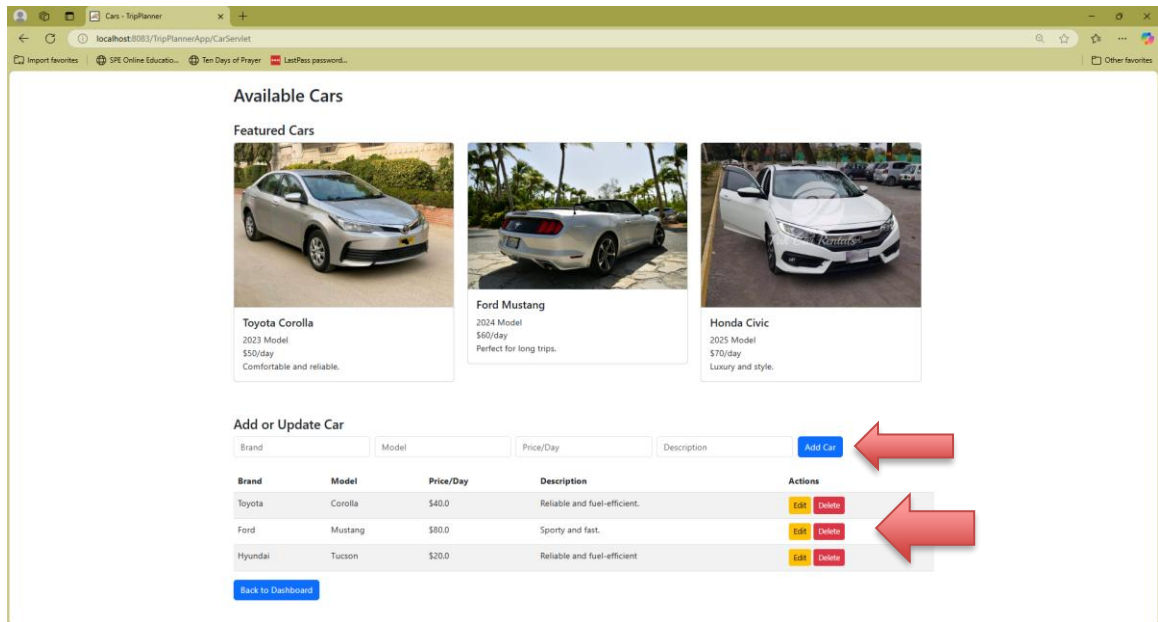


Figure 7 Car Page

5.4. Managing Activities

- Click the Activities button on the user dashboard to navigate to the Activities page.
- There are three featured activities displayed to help guide you in adding activity details.
- You can delete these featured activities to make space for your own preferences.
- To add an activity: fill in the activity name, location, price, and a brief description, then click Add Activity.
- To edit or delete an entry: use the corresponding Edit or Delete button next to each activity listing.

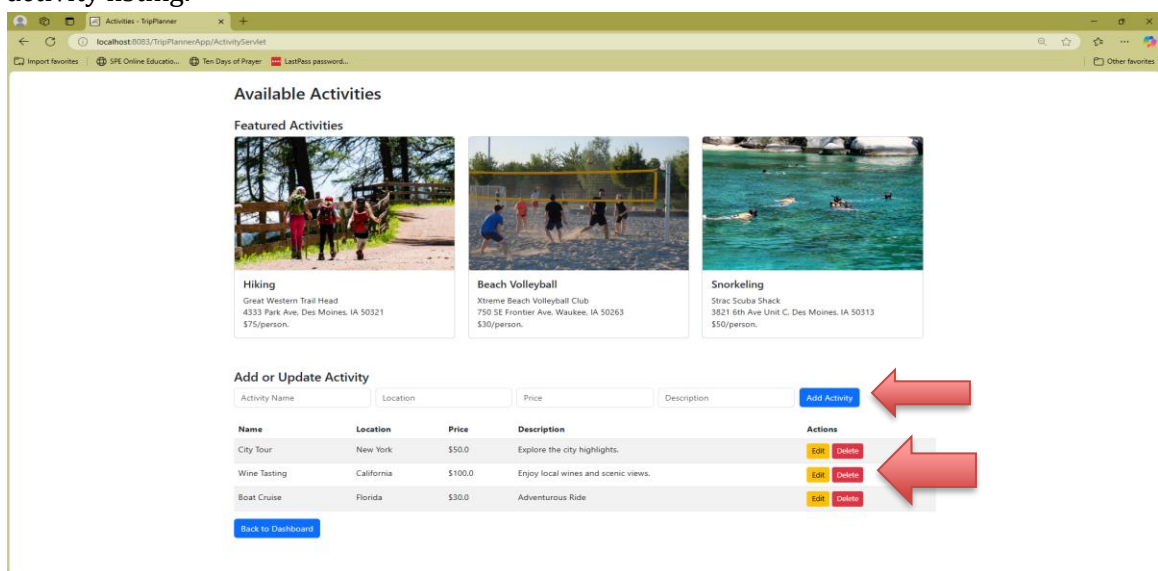


Figure 8 Activity Page

6. Insert/Update/Delete Operations

All create, update, and delete operations are handled from the dashboard tabs using forms:

- Add: Use the form provided to enter and submit new records.

Add or Update Hotel

Name	Location	Price/Night	Description	Actions
The Grand Hotel	New York	\$150.0	Luxury hotel in the heart of the city.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Beachside Inn	California	\$180.0	Relax and enjoy the ocean view.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Marriot	Des Moines	\$258.0	Five Star Hotel	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Bon Voyage	Lagos, Nigeria	\$100.0	Hotel Bon Voyage is a luxury and affordable boutique	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Figure 9 Adding a record

- Edit: Click the Edit button next to a record to modify its details.

Add or Update Car

Brand	Model	Price/Day	Description	Actions
Toyota	Corolla	\$40.0	Reliable and fuel-efficient.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Ford	Mustang	\$80.0	Sporty and fast.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Hyundai	Tucson	\$20.0	Reliable and fuel-efficient	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

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Add or Update Car

Brand Model Price/Day Description

Brand	Model	Price/Day	Description	Actions
Toyota	Corolla	\$100.0	Reliable and fuel-efficient.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
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Hyundai	Tucson	\$20.0	Reliable and fuel-efficient	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Figure 10 Edit Record

- Delete: Remove unwanted entries by clicking the Delete button beside each record.

Add or Update Activity

Activity Name Location Price Description

Name	Location	Price	Description	Actions
City Tour	New York	\$50.0	Explore the city highlights.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Wine Tasting	California	\$100.0	Enjoy local wines and scenic views.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Boat Cruise	Florida	\$30.0	Adventurous Ride	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Add or Update Activity

Activity Name Location Price Description

Name	Location	Price	Description	Actions
City Tour	New York	\$50.0	Explore the city highlights.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>
Wine Tasting	California	\$100.0	Enjoy local wines and scenic views.	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Figure 11 Delete Record

These operations are powered by SQL queries in the background and validated to ensure data integrity.

7. Contact and Support

If you encounter issues:

- Email: icokoruwa@gmail.com
- GitHub Repo: [Trip Planner App](#)