

# **Application Requirements Specification for**

## ***Travel With Me***

### **Prepared By:**

Bhavya Pranila Sathi, Manogna Kopparapu, Niharika Labhsetwar

## **Purpose Statement:**

**TRAVEL With ME** a Travel Management System serves as a centralized platform that brings together various aspects of travel planning, management and booking. This will streamline the process of booking transportation and accommodations, focusing on customer convenience, efficient payment handling, and comprehensive record management. It aims to provide users with a user-friendly interface to browse, select, and book cabs, hotels, and create personalized travel packages, enhancing their overall booking experience.

## **Requirements Narrative:**

In this project, Travel Management System, Customizing the user needs and Payment Management system will be developed. Users can log in using their unique credentials.

### 1. User-Friendly Interface:

- Provide an intuitive and easy-to-use interface for browsing and selecting travel options.
- Ensure seamless navigation for booking cabs, hotels, and creating personalized travel packages.

### 2. Booking Functionality:

- Enable users to book transportation services with options for different schedules and preferences.
- Facilitate hotel bookings, allowing users to choose accommodations based on location, amenities, and price range.

### 3. Personalized Travel Packages:

- Offer the ability to create customized travel packages, combining transportation and accommodation options to suit individual preferences.

### 4. Payment Handling:

- Implement secure payment gateways to handle transactions for bookings.
- Ensure efficient processing of payments with multiple payment methods for user convenience.

### 5. Record Management:

- Maintain comprehensive records of bookings, including itinerary details, invoices, and payment history.
- Provide users with access to their booking history for reference and future planning.

### 6. Confirmation:

- Users can view booking confirmations upon successful reservations.

### Objectives:

## Login Page

Username

Password

LogIn

Signup

Forget Password

[Create a new account](#)

<b>Username</b>	<input type="text" value="Enter user Name"/>
<b>Name</b>	<input type="text" value="Enter Full Name"/>
<b>Password</b>	<input type="password" value="Enter Password"/>
<b>Email</b>	<input type="text" value="Enter Email"/>
<b>Phone Number</b>	<input type="text" value="Enter Phone Number"/>
<b>Security Question</b>	<input type="text" value="What is your favorite food?"/>
<b>Answer</b>	<input type="text"/>
<input type="button" value="Create Account"/>	

## Dash Board

Add Personal Details  
Update Personal Details  
View Details  
Delete Personal Details  
Packages  
Book a package  
View package  
Hotels  
Book Hotel  
Book Transport  
View Booked Hotel  
Payment  
About  
Logout

### Customer Details

**Name**

**Phone Number**

**Gender**

**Age**

**Email**

**Address**

Update Customer Details

Name

Sam

Phone Number

+1 456 789 1234

Gender

Female

Male

Non Binary

Age

27

Email

sam23@gmail.com

Address

123 seattle,WA

Update

Next

Customer Details

Name

Sam

Phone Number

+1 456 789 1234

Gender

Female

Age

27

Email

sam23@gmail.com

Address

123 seattle,WA

Back

Package 1

Package 2

Package 3

### Gold Package

Go city pass for 5 days

Airport Assistance

Breakfast Included

Welcome Drinks Included on Arrival

One day Full Island cruise Included

**Price - \$ 500**

Book Now

### Book Package

**Name**

**Sam**

**Phone Number**

**+1 456 789 1234**

**Package**

Gold Package



**Total Persons**

2

**ID**

Driving License



**ID Number**

**789 1234345**

**E mail**

**sam23@gmail.com**

**Total Price - \$1000**

Book Now

### View Package Details

Name	Sam
Phone Number	+1 456 789 1234
Package	Gold
Total persons	2
ID	Driving License
ID Number	789 1234345
E mail	sam23@gmail.com

**Total Price - \$1000**

### Book Hotel

Name	Sam
Select Hotel	<input type="text" value=""/>
Total Persons	<input type="text" value="2"/>
Total no of days	<input type="text" value="2"/>
ID	<input type="text" value="Driving License"/>
ID Number	789 1234345
Address	<input type="text" value="Enter Address"/>

**Total Price                      \$700**

## View Booked Hotel

Name	Sam
Select Hotel	Hyatt
Total Persons	2
Total no of days	2
ID	Driving License
ID Number	789 1234345
Address	123 seattle,WA

**Total Price    \$700**

## Book Transport

Name	Sam
Select Transport	<input type="text" value=""/>
Total Persons	<input type="text" value="2"/>
Total no of hours	<input type="text" value="2"/>
Type of vehicle	<input type="text" value=""/>
Self Drive	<input type="text" value="No"/>

Check Price

**Total Price                    \$75**

Book



## Delete Customer Details

<b>Username</b>	<b>Sam</b>
<b>Phone Number</b>	<b>+1 456 789 1234</b>
<b>Gender</b>	<b>Female</b>
<b>Age</b>	<b>27</b>
<b>Email</b>	<b>sam23@gmail.com</b>
<b>Address</b>	<b>123 seattle,WA</b>

Delete

## Payment Page

Zelle

Credit card/Debit card

Paypal

### User Functionality:

1. Update User Information: Allows customers to modify their personal details.

2. Package Details and Edit: The user can choose and create a package as per the needs.
3. View User Details: Access to view their profile and booking history.
4. Bookings: Books hotels, cabs and packages as per the user's needs.
5. Payment Management: Allows the customer to manage the payments and view.

## **Functional Specification:**

### **Roles and Functions:**

The system is divided into two functions User and Other functions. The main objective of the **Travel with Me** is to manage the details of Customer, Hotel Booking, Cancellation and Tourism places. It manages all the information about Users, Hotel, Packages etc.

### **User Functions**

1. userRegistraionLogin()
2. forgotPassword()
3. profileManagement()
4. bookPackage()
5. bookHotel()
6. bookTransportation()
7. payment()
8. confirmation()

### **Other Common Functions**

1. addCustomer()
2. updateCustomer ()
3. deleteCustomer()
4. checkPackage()
5. checkHotel()
6. viewBookedHotel()
7. viewCustomer()
8. viewPackage()

### **Classes Used:**

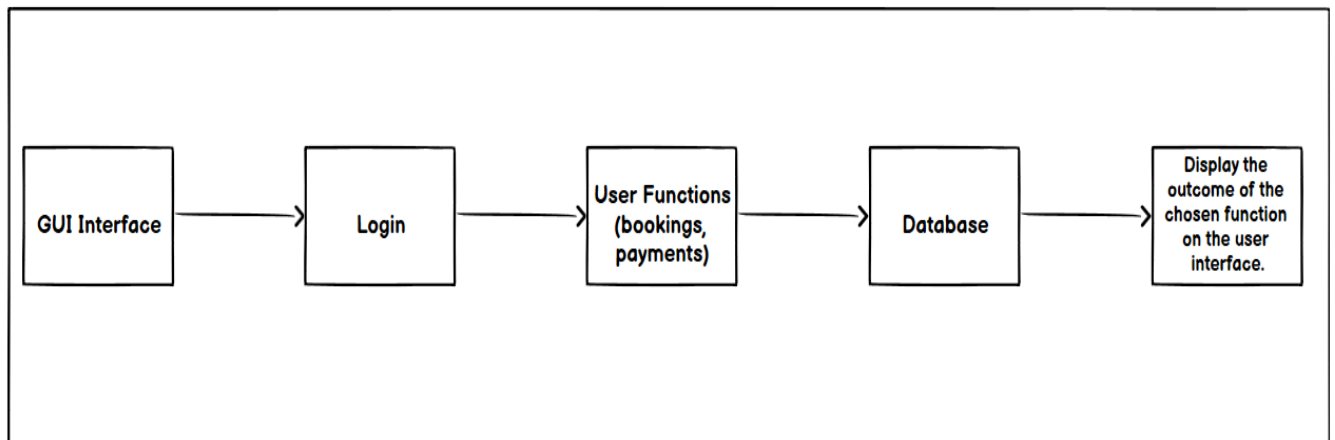
1. About
2. AddUser
3. Application
4. BookHotel
5. BookPackage
6. CheckHotels
7. CheckPackage
8. Connections
9. Dashboard

10. DeleteUser
11. Destinations
12. Feedback
13. ForgotPassword
14. Login
15. Payment
16. Security
17. Signup
18. Splash
19. Transportation
20. UpdateUser
21. ViewBookedHotel
22. ViewUser
23. ViewPackage

### **Technologies Used:**

- Tool: Eclipse, NetBeans, JVM
- Java Framework: Swing (for user interface)
- Database: MySQL Workbench

### **Logic Specification:**



1. The system allows users to log in through the user interface (UI), and depending on their designated role, directs them to the relevant interface or view.

2. The user interface displays functions specific to the user's role, and upon selecting an operation, the system accesses the database to execute the chosen task. The outcomes of these operations are then presented back to the UI.
3. Empowers users with the ability to update personal information, create and modify travel packages, view their profile details and booking history, manage bookings (hotels, cabs, etc.), and oversee payment details for a complete travel management experience.

### **Conclusion:**

- The system aims to provide intuitive interfaces for User, enhancing their ability to manage bookings, payments, and user details efficiently.
- The chosen technologies facilitate development and aim to provide a smooth user experience while handling bookings, payment processing, and data management.

### **Scope Limitations:**

- This Management System is a model open for future advancements as per the changing needs of the User, Market and Technology.
- The above project restricts its functionality to User aspects.
- This project is currently designed in the Beta Version, but we intend to add more admin functionalities in the near future.