
SOFTWARE REQUIREMENTS SPECIFICATION

for

PlanMyTour

Version 1.0

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1 Introduction

1.1 Purpose

The purpose of this document is to provide a detailed specification of the requirements for the development of a trip planner web application. This document will serve as a reference for the development team to ensure that all requirements are met and that the application functions correctly.

1.2 Document Conventions

This Document was created based on the IEEE template for System Requirement Specification Documents.

1.3 Scope

The trip planner web application is an online platform that allows registered users to create and share their trip plans with others. The application enables users to create a sequence of visiting tourist spots, timing, modes of travel, and other advice for the destination. The platform also allows users to search for trip plans created by others based on the destination place. The application is intended for use by people who are planning to travel to different destinations and are looking for guidance on how to plan their trip.

1.4 References

- MakeMyTrip <https://www.makemytrip.com/>, Tour planning/booking site.
- Tripadvisor <https://www.tripadvisor.in/>, Tour planning/booking site.
- ToursByLocals <https://www.toursbylocals.com/>, Local guide booking site.
- IEEE Template for System Requirement Specification Documents: <https://goo.gl/nsUFwy>

2 Overall Description

2.1 Product Perspective

The project is a community driven web platform that allows users to share their tour plans and view plans shared by other users to efficiently plan their own tour. The platform is mobile-friendly making it more accessible. The goals of the application are to provide a platform for travelers to share their experiences, to inspire and inform other travelers, and to foster a community of like-minded individuals who are passionate about travel. The application also aims to generate revenue through advertising and to establish itself as a reliable source of information for travelers.

2.2 Product Functions

The following are the primary functions of the trip planner web application:

- Sharing plan: The application will allow users to create and edit their trip plans.
- Searching plans: The application will allow users to search for and view trip plans created by others based on the destination place.
- Guide registration: The application will allow users to register as a tour guide on the platform.
- Searching Guides: The application will allow users to search for available tour guides for the destination place.
- Bookmarking plans: The application will allow users to bookmark tour plans for quick access.

2.3 User Characteristics

The trip planner web application is intended for use by people who are planning to travel to different destinations. Users of the application are expected to have basic knowledge of web browsing and online communication. The application is designed to be user-friendly and intuitive, with a simple and clean user interface that makes it easy for users to create, search, and view trip plans.

2.4 Constraints

The trip planner web application is subject to the following constraints:

- The application must be designed and developed using modern web technologies.
- The application must be accessible via the internet and must support multiple web browsers and devices.
- The application must comply with relevant data protection and privacy laws.
- The application must be scalable and able to handle a large number of users and trip plans.

2.5 Assumptions and Dependencies

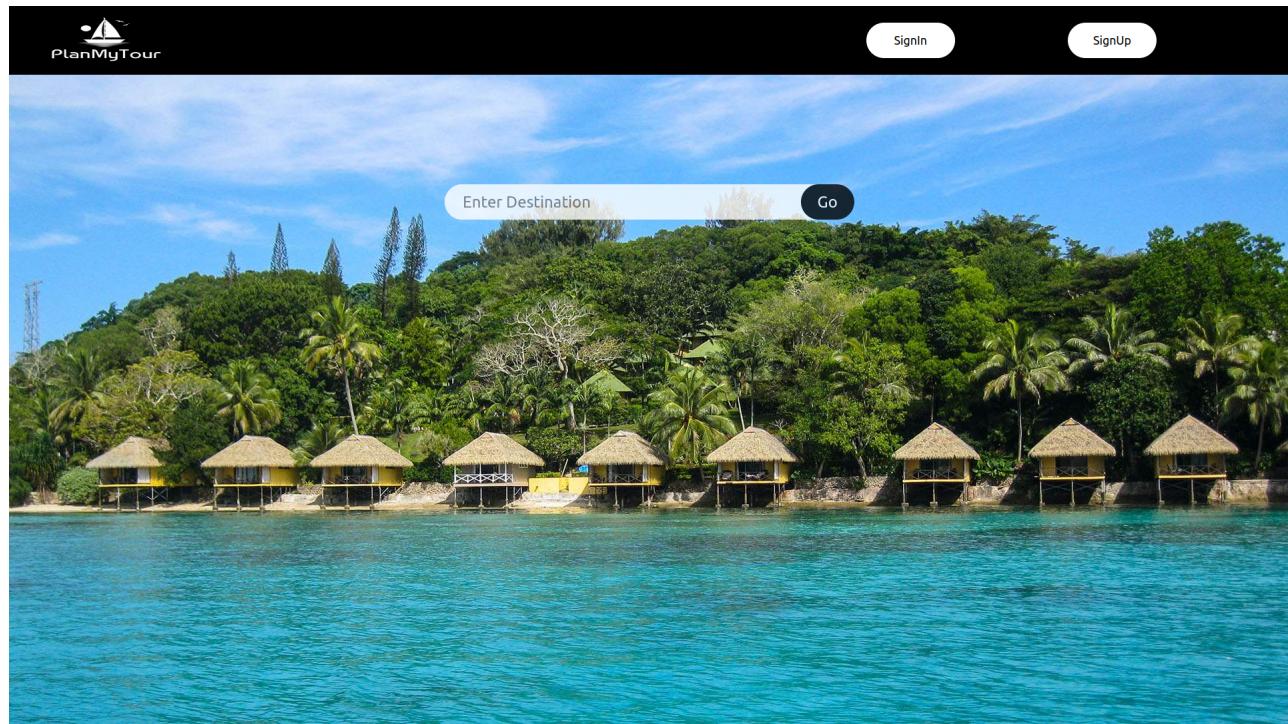
The trip planner web application is dependent on the following assumptions:

- Users have access to a reliable internet connection.
- Users have basic knowledge of web browsing and online communication.
- Users are willing to share their trip plans with others.

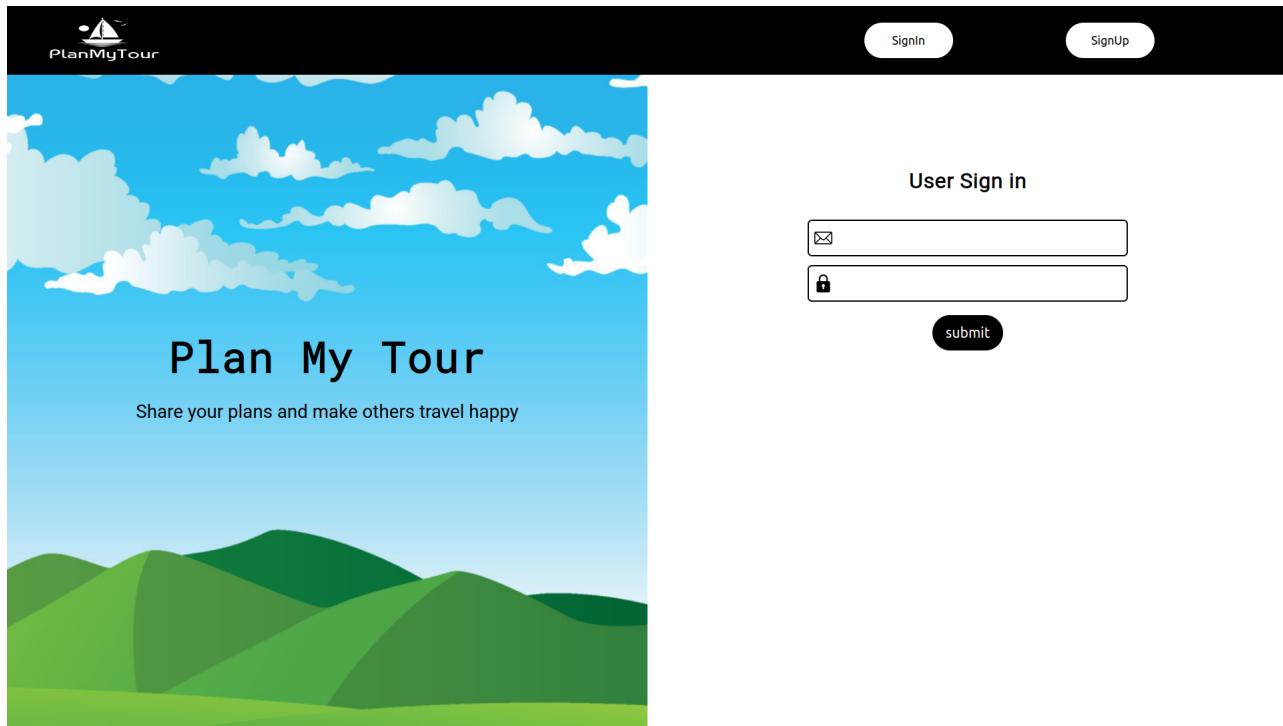
3 External interface requirements

3.1 User Interfaces

1. HomePage:



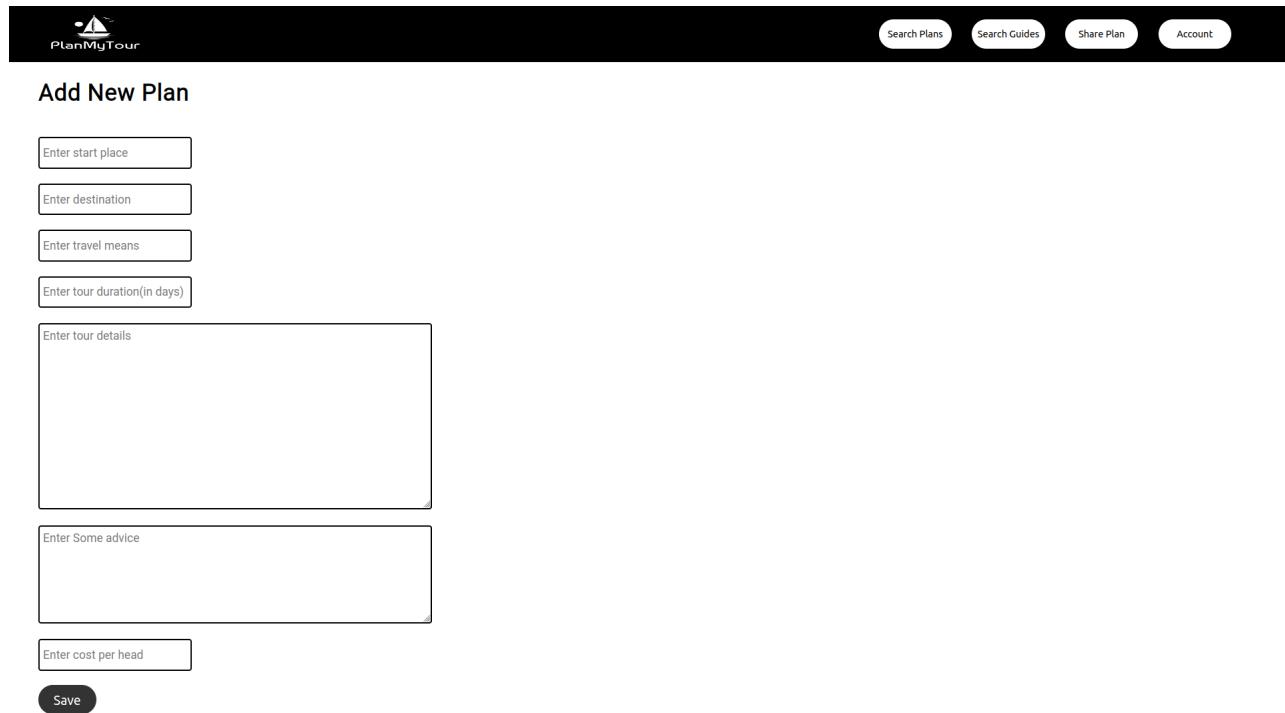
2. Sign In Page:



3. View plans:

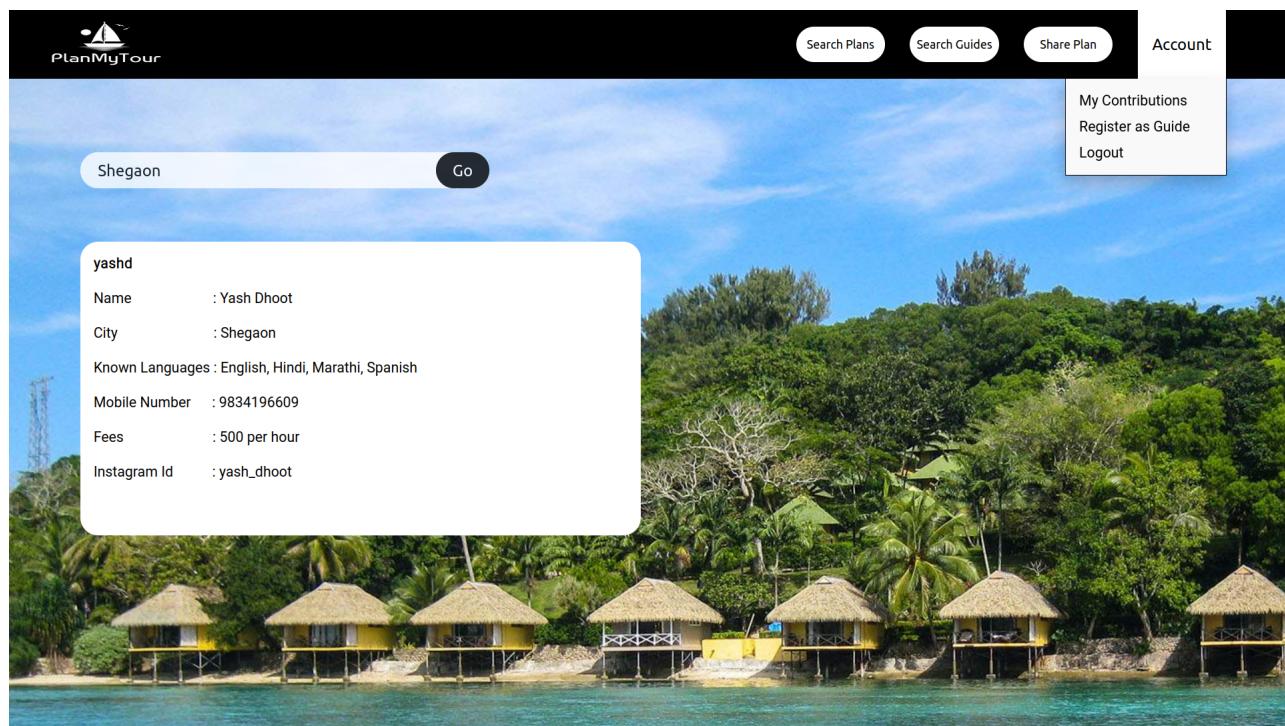
The image shows the 'Search Plans' page of the Plan My Tour website. The header includes the 'Plan My Tour' logo and four buttons: 'Search Plans', 'Search Guides', 'Share Plan', and 'Account'. A search bar at the top is set to 'Mumbai' with a 'Go' button. To the right of the search bar is a 'Sort By' button. Below the search bar, there are two travel plan cards. The first card is for a trip from 'Pune' to 'Mumbai' by 'Train' for '1 Days' on '2023-3-16' by 'nayab'. The description mentions visiting Sebi building, Gateway of India, Hotel Taj, Jahangir Art Gallery, Planetarium, Hanging Garden, and Girgaon Chowpatty. The second card is for a trip from 'Shegaon' to 'Mumbai' by 'Train' for '3 Days' on '2023-2-8' by 'yashd'. The description mentions visiting Imagica, Juhu Beach, Gateway of India, and Chhatrapati Shivaji Terminus. A 'Likes' sidebar on the right lists sorting options: 'Price (high to low)', 'Price (low to high)', 'Tour Duration (high to low)', 'Tour Duration (low to high)', and 'Date Posted (recent first)'. The background of the page features a scenic image of a tropical beach with thatched huts.

4. Share plans:



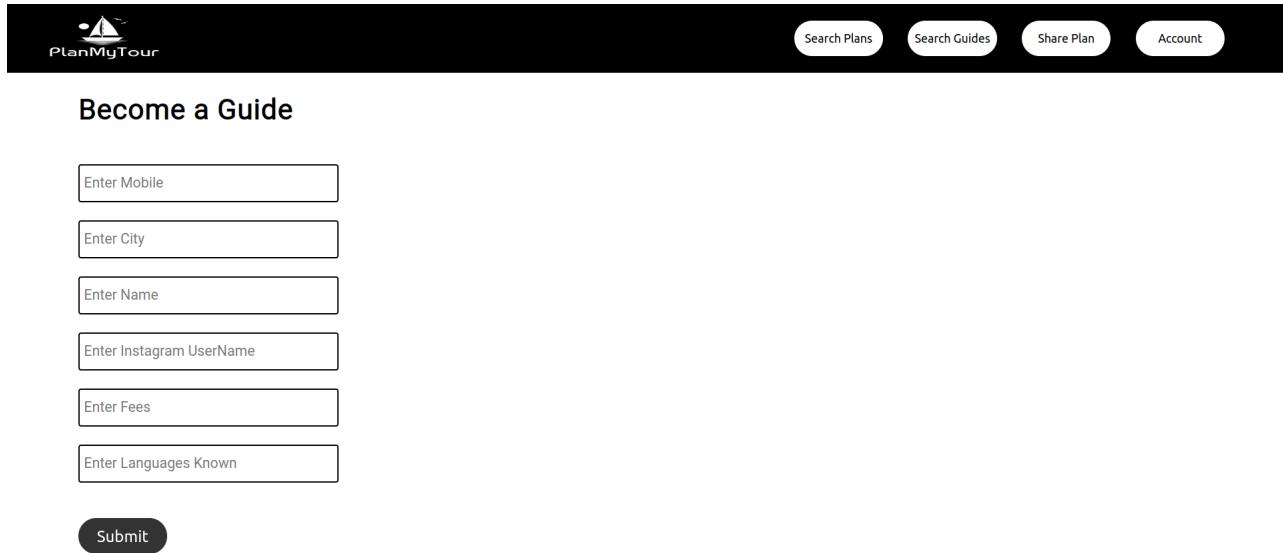
The screenshot shows the 'Add New Plan' form on the PlanMyTour website. The top navigation bar includes links for 'Search Plans', 'Search Guides', 'Share Plan', and 'Account'. The form itself has several input fields: 'Enter start place', 'Enter destination', 'Enter travel means', 'Enter tour duration(in days)', 'Enter tour details' (a large text area), 'Enter Some advice' (another large text area), 'Enter cost per head', and a 'Save' button. The 'Save' button is highlighted with a dark background and white text.

5. View guides:



The screenshot shows the 'Search Guides' page on the PlanMyTour website. The top navigation bar includes links for 'Search Plans', 'Search Guides', 'Share Plan', and 'Account'. A search bar at the top is set to 'Shegaon' and has a 'Go' button. A dropdown menu on the right side of the header includes 'My Contributions', 'Register as Guide', and 'Logout'. The main content area features a scenic image of several thatched-roof huts on stilts in a tropical lagoon. Overlaid on this image is a white box containing a guide's profile: 'yashd', 'Name : Yash Dhoot', 'City : Shegaon', 'Known Languages : English, Hindi, Marathi, Spanish', 'Mobile Number : 9834196609', 'Fees : 500 per hour', and 'Instagram Id : yash_dhoot'.

6. Guide registration:



The screenshot shows a registration form for guides on the PlanMyTour website. The top navigation bar includes a logo with a sailboat icon and the text 'PlanMyTour', along with buttons for 'Search Plans', 'Search Guides', 'Share Plan', and 'Account'. The main form title is 'Become a Guide'. It contains six input fields with labels: 'Enter Mobile', 'Enter City', 'Enter Name', 'Enter Instagram UserName', 'Enter Fees', and 'Enter Languages Known'. Below the fields is a 'Submit' button.

Become a Guide

Enter Mobile

Enter City

Enter Name

Enter Instagram UserName

Enter Fees

Enter Languages Known

Submit

3.2 Hardware Interfaces

The minimum hardware requirements of PlanMyTour are a 500 Megahertz CPU and 128 Megabytes of RAM. A display with a resolution of at least 1024x768 pixels is recommended for optimal viewing of the website's content. A larger display with a higher resolution can enhance the user's browsing experience.

3.3 Software interfaces

A web browser such as Google Chrome, Mozilla Firefox, or Safari is required to access the trip blog website. The web browser should be updated to the latest version to ensure compatibility with the website's technical specifications and features.

3.4 Communication interfaces

An internet connection is essential to access the trip blog website. The internet connection should have a minimum data transfer rate of 1 Mbps to ensure smooth browsing of the website.

4 Functional Requirements

1. **User registration and login:** The application must allow users to register for an account and login to the system.
 - (a) Users must provide a valid email address and password to register for an account.
 - (b) Users must confirm their email address to activate their account.
 - (c) The application must provide a forgot password feature for users who forget their login details.
2. **Sharing plan:** The application must allow users to create and share their trip plans.

- (a) Users must provide a title, description, and destination for the trip plan.
 - (b) Users must add a sequence of visiting tourist spots, timing, modes of travel, and other advice for the destination.
 - (c) Users must be able to delete their trip plans.
3. **Searching plans:** The application must allow users to search for and view trip plans created by others based on the destination place.
- (a) Users must be able to search for trip plans based on the destination place.
 - (b) Users must be able to filter trip plans based on the date of the trip, the duration of the trip, and the likes of the trip plan.
4. **Bookmarking plans:** The application must allow users to bookmark tour plans for quick access.
- (a) Users must be able to bookmark a limited number of plans for quick access. The user might visit these places in coming time.
5. **Giving like to a plan / guide:** The application must allow users to give like to plans / guides they feel worthy. This would help in searching trusted plans or guides easily.
6. **Guide registration:** The application must allow users to register as a tour guide on the platform.
- (a) The users can register as a guide on platform by providing their details such as name, contact number, languages known, city and general idea of fees.
7. **Searching guides:** The application must allow users to search and view details of guides based on the destination place.
- (a) Users must be able to search and view details such as name, contact number, languages known, fees and likes of available guides based on the destination place.
 - (b) Users must be able to filter list of guides based on the likes to the guide and fees of guide.

5 Non-Functional Requirements

- 1. **Usability:** The application must be user-friendly and easy to use.
 - (a) The application must have a simple and intuitive user interface.
 - (b) The application must provide clear and concise instructions for using the features.
 - (c) The application must have responsive design that is optimized for different screen sizes and devices.
- 2. **Performance:** The application must perform well under heavy usage and load.
 - (a) The application must have fast load times and response times.
 - (b) The application must be able to handle a large number of users and trip plans.
 - (c) The application must be scalable and able to grow as the user base increases.
- 3. **Security:** The application must be secure and protect user data and privacy.
 - (a) The application must use SSL encryption for secure data transmission.
 - (b) The application must implement secure user authentication and authorization.
 - (c) The application must protect user data from unauthorized access, modification, or deletion.
- 4. **Reliability:** The application must be reliable and available at all times.
 - (a) The application must have a high level of uptime and availability.
 - (b) The application must have a backup and recovery plan in case of system failure or data loss.
 - (c) The application must provide error handling and logging to detect and resolve issues.

Glossary

- **PlanMyTour:** Application name.
- **Plan:** A trip plan created by a user that includes the sequence of visiting tourist spots, timing, modes of travel, and other advice for the destination.
- **Destination:** A place where the user plans to travel to.