

# Assignment 2: Software Requirements Specification

**Team:** Group 1- PlanV

**Project Title:** PlanV Software Requirements

**Members:**

1. Aminah Alabidi
2. Amna Siddiqui
3. Kleant Topalli

Meetings date	Participants
09/18/2024	Aminah, Amna, Kleant
09/19/2024	Aminah, Amna, Kleant

---

Stakeholders	Requirements
Travelers	FR1: Register Account/Login FR2: Booking your trip FR3: Creating an itinerary FR4: Booking hotels, cars FR5: Getting recommendations for places FR6: Managing account details
Business Partners	FR7: Booking Management FR8: Map viewing FR9: Pricing FR10: Booking Confirmation FR11: Save Tickets FR12: Real time updates FR13: Weather Updates

Educational Institutions	FR14: Plan trips FR15: FAQs
ALL	NF1: Security  NF2: Availability  NF3: Reliability  NF4: Performance  NF5: Privacy

<b>FR1. Register Account/Login</b>		
Goal: When the user uses the application, upon first-time use, we should prompt the user to register for the service, so that it may be added to the database and able to access the features.		
Stakeholders: Travelers		
When the user would open the app, they will be brought to the login screen, where they are prompted to either make an account or login, since it is their first time, they will be most likely going to be brought to a registration screen that asks for their email to register with and their password they wish to use for the account.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/18/2024	<u>Priority:</u> 1

<b>FR2. Booking your trip</b>		
Goal: Simplify the travel booking process by enabling users to quickly choose and personalize their travel options.		
Stakeholders: Business partner		

When the user clicks the second icon on the main menu, they will be taken to the booking screen. The user will select what they would like to book. They can enter preferences like destination, price range, and dates. The system will display options based on these inputs, allowing users to select and book flights.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/18/2024

Priority: 3

### **FR3. Creating an itinerary**

Goal: Simplify and streamline trip planning for users.

Stakeholders: Travelers

When users click the fourth home button icon, they are directed to the itinerary screen. Here, all trip plans are displayed, allowing users to view, edit, and manage their itineraries. Users can add or remove activities, create multiple itineraries for different days, or consolidate all plans into a single overview, offering full flexibility based on their preferences.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/18/2024

Priority: 6

### **FR4. Booking hotels, cars**

Goal: Enable seamless booking of accommodations and transport options, tailored to user preferences.

Stakeholders: Business partner

When the user clicks the second home button icon, they are taken to the booking screen, which includes options for cars, and hotels (along with flights). Users can filter by preferences such as country, time, and pricing. After selecting options, they will be redirected to a third-party site for secure payment.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/18/2024

Priority: 4

#### **FR5. Getting recommendations for places**

Goal: Users will have the option to quickly find and add places to their travel plans.

Stakeholders: Travelers

When the user clicks the third home button icon, they are taken to the recommendations screen. Here, users can search for places to visit, filtering by preferences such as country/city, opening hours, and type of business. Based on their search criteria, the system will provide several tailored recommendations for the user to choose from and add to their plans.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/18/2024

Priority: 9

#### **FR6. Managing Account details**

Goal: Provide users full control to manage and update their account details.

Stakeholders: Travelers

When the user clicks the fifth home button icon, they are taken to the settings screen. Here, users can manage their accounts by making edits to personal information, such as their email, name, and password. This screen ensures that users have the flexibility to update their details as needed for a seamless travel experience.

<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/18/2024	<u>Priority:</u> 2

<b>FR7. Booking Management</b>		
Goal: Streamline booking management for users		
Stakeholders: Travelers and Businesses		
When users click on the second home button icon, they are taken to the booking management screen. Here, they can view, manage, or cancel their bookings. For payments or final changes, users will be redirected to a third-party site to complete the process.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/18/2024	<u>Priority:</u> 5

<b>FR8. Map Viewing</b>		
Goal: provide users with real-time location tracking and easy navigation during trips		
Stakeholders: Travelers		
Users will have access to a map on the first screen to view their current location, which can serve as a personal guide or for sharing updates with others. The map will display their location and the flight's progress. By clicking on the map, users can explore it further in either 2D or 3D views. The map feature will also be accessible on the recommendations screen, allowing users to see nearby places based on their preferences.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/18/2024	<u>Priority:</u> 10

<b>FR9. Pricing</b>		
Goal: Allow for ease of use when looking for the specific airline, budget, or hotel that users would be able to wish to purchase.		
Stakeholders: Business Partners & Travelers		
On the second screen, users will be able to look at the prices of different airlines and hotels and such tailored to their needs, most likely there being a filter to be able to do so. Users will then be able to easily be able to be redirected to the purchase screen with hassle-free payments, offering many options to pay. This will end up going through a third-party service to ensure security and safety.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 7

<b>FR10. Booking Confirmation</b>		
Goal: Provide users with a seamless booking confirmation experience that ensures they receive timely and accurate confirmation details after completing their reservations		
Stakeholders: Business Partners, Travelers.		
On the second screen, users can book with an embedded web view for payment processing. Upon selecting a service, users are redirected to a secure third-party payment provider, which handles all transactions in compliance with industry standards. After successful payment, the third-party service sends booking confirmation details back to the app, allowing users to receive notifications and view their booking status directly within the app.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 8

<b>FR11. Saving Tickets</b>		
Goal: Users will be able to have their information kept safe within the app, able to look at current or past tickets that were purchased.		
Stakeholders: All		
After bookings have been confirmed, there will be a section in the app where you will be able to view your past and current tickets with all the information given like the booking confirmation.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 12

<b>FR12. Real Time Updates</b>		
Goal: Inform users with real-time updates, such as their hotel check-in reminders, flight times and statuses, etc.		
Stakeholders: All		
On the home screen, the user will receive notifications on anything that would currently be active, such as the flights they would have to go on being delayed, hotel times to check-in, warnings about the flights taking off, etc.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 11

<b>FR13. Weather Updates</b>		
Goal: Inform users with real-time updates on the weather.		

Stakeholders: All		
On the home screen, the user will receive notifications on the weather. This includes any drastic changes or anything that might delay flights, attractions, tours, etc. User will receive notification when the weather is especially bad (stormy, lightning, blizzard, etc.).		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 13

<b>FR14. Plan Trips</b>		
Goal: Allows the main group of users to be able to plan for their trips directly from the app.		
Stakeholders: All		
The idea of this is to allow the user to be able to plan their trip in one go, accounting for the amount of people that are inputted, planning for the flight, then booking the hotel, and what type of trip it'll be, whether that'd be a trip for an attraction of some sort, a tour, etc., the app aims to do everything at once so the user won't have to go through multiple different hoops for their trip with a large group.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 14

<b>FR15. FAQs</b>		
Goal: Provide users with answers to frequently asked questions.		
Stakeholders: All		



The FAQ section will be available under the settings menu, accessible from the fifth home icon. It will contain common questions and answers related to the app's features, functionality, and troubleshooting. This will help users quickly find solutions without needing to contact support.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/18/2024

Priority: 15

#### **NF1.** Security

Goal: Users will be able to use the app to input all personal details safely

Stakeholders: All

User information will be safely secured and stored, personal information such as name, phone number, address, billing address will be encrypted and stored so others. There will be multi factor authentication to ensure that the correct person uses the account, and all data is protected

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/19/2024

Priority: 1

#### **NF2.** Availability

Goal: Users will be able to access the app anywhere and at any time.

Stakeholders: All

Users can access the app and create a trip from any place and any country. They can access their bookings and tickets/reservations even when offline.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/19/2024

Priority: 3

### **NF3. Reliability**

Goal: Users will have access to real time updates on their trip

Stakeholders: All

The app will be maintained and kept up to date with the latest version to ensure that it does not run into any issues. It will give real-time updates, on all flights and any reservations a user may have, including cancellations or delays that may occur. App will give correct directions and timings to attractions.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/19/2024

Priority: 4

### **NF4. Privacy**

Goal: Users will only be able to access their own account

Stakeholders: All

A user will only be able to access their account and travels. In cases where they want to share any information, there will be a message and warning displayed to double check that they want to continue with this. They can also make drafts for trips they want to make, and it will be saved.

Origin: Based on the initial project specification document, team members produced this description during the first meeting.

Version: 1.0

Date: 09/19/2024

Priority: 2

<b>NF5.</b> Performance		
Goal: App should work correctly and quickly		
Stakeholders: All		
App should work quickly and have a quick response time. It should lead to the correct page user wants to go to. It will recommend appropriate places to the user depending on their preferences. Loading time should take at most 3 seconds. App will work on any IOS device, and all data will be transferred among each device with proper security measures.		
<u>Origin:</u> Based on the initial project specification document, team members produced this description during the first meeting.		
<u>Version:</u> 1.0	<u>Date:</u> 09/19/2024	<u>Priority:</u> 5