

# Project Description

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This project is a travel assistant application which can be used by a frequent flyer to book and manage their flights. Users will be able to book flights based on arrival time & destination, choose their seating (with additional costs), setup their baggage plans (with additional costs), and manage their flights as well. Management features would include viewing the itinerary of their flight, making changes to their booked flight, and cancellation of said flight. Users would be presented with a list of hotels nearby their destination airport and be able to book with said business based on available rooms (with rates). Users would be able to manage their hotel booking as well. Car rentals nearby the destination airport would also be available to view as well as book/manage. All payments would be handled through the in-house system.

## System Requirements

*1 is highest, 4 is lowest*

Identifier	Priority	Requirement
REQ1	1a	The system shall allow users to book flights (view arrival and destination).
REQ2	1b	The system shall allow users to select a seat for their flight.
REQ3	1c	The system shall allow users to setup their baggage plan for their flight.
REQ4	1d	The system shall allow users to cancel/change their flight.
REQ5	1e	The system shall allow users to view the itinerary of their flight.
REQ6	1f	The system shall allow users to find their itinerary by flight number.
REQ7	2a	The system should have a login feature where users are able to create/login to their user accounts.
REQ8	2b	The system shall allow users to pay for the flight using our application.
REQ9	3a	The system shall present the user with a list of hotels by the destination airport.
REQ10	3b	The system shall present the prices of the specific hotel (rooms and rates) to the user.
REQ11	3c	The system shall allow users to book a hotel room for a specific amount of days.
REQ12	3d	The system shall allow users to pay for their hotel booking with our application.
REQ13	4a	The system shall allow users to see a list of car rental services by their airport destination.
REQ14	4b	The system shall display various types of vehicles to rent (with rates).
REQ15	4c	The system shall allow users to book their car rental.
REQ16	4d	The system shall allow users to pay for rentals using our application.

# User Stories

*Person = 1 pts, 1 Hour = 2 pts, Meeting = 3 pts*

Identifier	User Story	Size
ST-1	As a user, I will be able to book flights that I am interested in based on arrival/destination.	6 pt(s)
ST-2	As a user, I will be able to choose seating for my booked flight.	3 pt(s)
ST-3	As a user, I will be able to choose my baggage plan for my booked flight.	3 pt(s)
ST-4	As a user, I will be able to cancel my booked flight.	3 pt(s)
ST-5	As a user, I will be able to change my booked flight.	3 pt(s)
ST-6	As a user, I will be able to find and view the itinerary of my booked flight.	4 pt(s)
ST-7	As a prospective client, I will be able to create a user account to access the services.	4 pt(s)
ST-8	As a user, I will be able to pay for my booked flight.	3 pt(s)
ST-9	As a user, I will be able to view hotels nearby my airport destination.	6 pt(s)
ST-10	As a user, I will be able to view rooms from a specified hotel.	4 pt(s)
ST-11	As a user, I will be able to select a room from a specified hotel to check-in.	4 pt(s)
ST-12	As a user, I will be able to pay for the booked hotel room.	3 pt(s)
ST-13	As a user, I will be able to view car rental businesses nearby my airport destination.	3 pt(s)
ST-14	As a user, I will be able to view the vehicles available for rental based on rate.	4 pt(s)
ST-15	As a user, I will be able to rent a vehicle based on type and make.	6 pt(s)
ST-16	As a user, I will be able to pay for the vehicle rental.	3 pt(s)