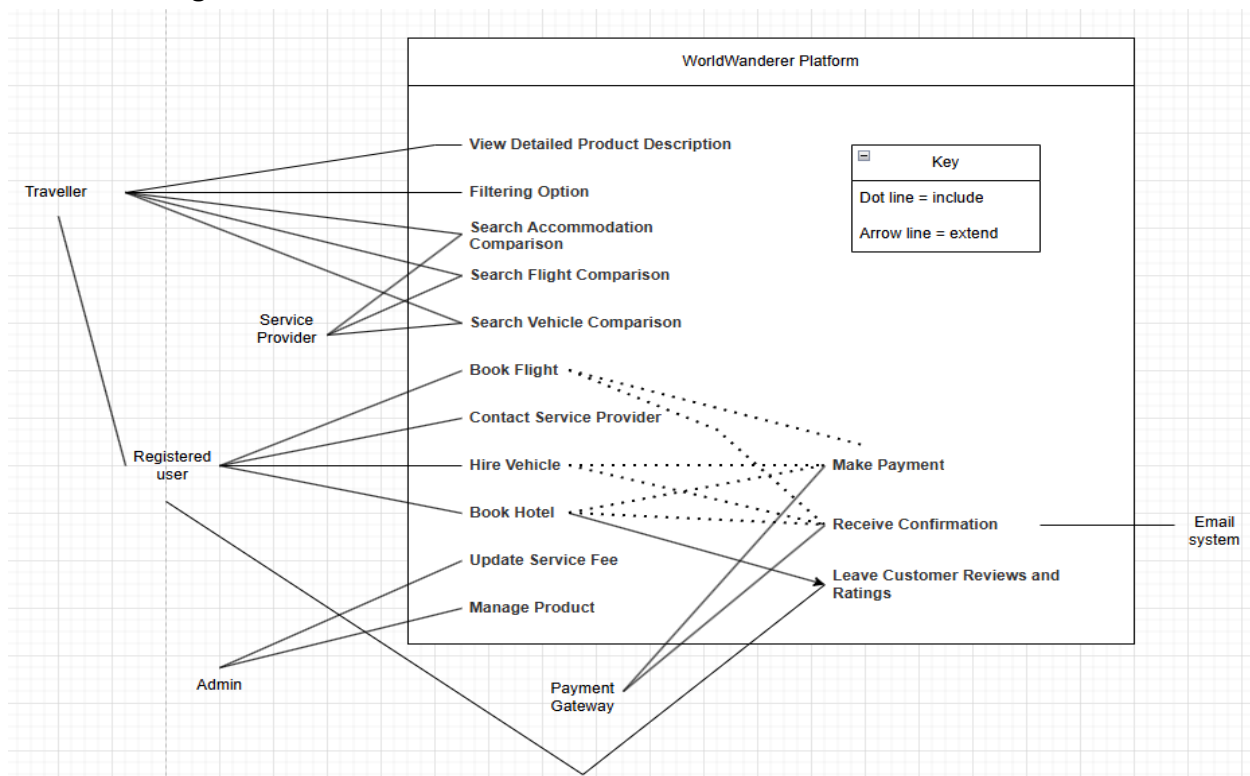


Use Case Diagram



Use Case Descriptions

Use Case:
ID: Book Hotel
Brief description: This use case shows how a user books an accommodation through the worldwanderer platform.
Primary actors: Registered users
Secondary actors: Service Provider, payment gateway, Email system
Preconditions <ul style="list-style-type: none"> The user is logged in Hotel has been searched and a room has been found
Main flow

1. The registered user selects a hotel from the search results
2. The system retrieves availability from the hotel service provider.
3. The system displays available rooms, amenities, and prices.
4. The registered user selects a room and proceeds with booking.
5. System prompts for guest details and stay duration.
6. The registered user enters details and confirms booking.
7. The system <<include>> makes payment through the payment gateway.
8. Payment gateway validates the transaction and returns confirmation.
9. System <<include>> receive confirmation by sending a confirmation to user email.

Postconditions

- Hotel booking is recorded in the system
- The registered user receives confirmation and itinerary

Alternative flows

- If the hotel system reports no availability then the system prompts a new search
- If payment fails then the system will ask for another payment method.

If the payment fails, the system shows error and allows retry.

Use Case:**ID: Hire Vehicle****Brief description:**

This use case shows how a user selects and books a vehicle for hire.

Primary actors:

Registered User

Secondary actors:

Service Provider, payment gateway, Email system

Preconditions:

1. The user is logged in.
2. Vehicle data is available.

Main flow:

1. The user searches for available vehicles at the destination.
2. The system shows a list of vehicles with details (price, model, capacity, transmission).
3. The user selects a vehicle.
4. The system displays vehicle details and rental conditions.

5. The user confirms booking and enters payment details.
6. The system connects to the payment gateway.
7. Payment is processed successfully.
8. The system sends a confirmation email with booking details.

Postconditions:

Vehicle booking is confirmed and recorded in the system.

Alternative flows:

If there are no vehicles available, systems will show "No results found."

If the payment fails, the system shows an error and allows a retry.

Use Case:**ID: Book Flight**

Brief description: This use case diagram demonstrates how a user would book a flight using the WorldWanderer platform.

Primary actors: Registered User

Secondary actors: Service provider, payment gateway, email system

Preconditions: User is logged in, Flight has been chosen as well as seat.

Main flow

1. The user searches for available flights from departure point to destination point, as well as date, number of seats, and class of seat.
2. System retrieves available flights based on user inputs.
3. System displays available flight options to the user.
4. The user selects the desired flight option.
5. The user books and proceeds with payment instructions.
6. The System makes payment via <<include>> payment gateway
7. The user receives a confirmation email after the payment gateway validates payment.

Postconditions: User's flight booking is recorded in the system, user receives booking and payment confirmation email

Alternative flows: "No results found" displayed if user's search options have no match, system notifies user of payment error and asks user to try again if the user's payment declines.

Class Diagram

