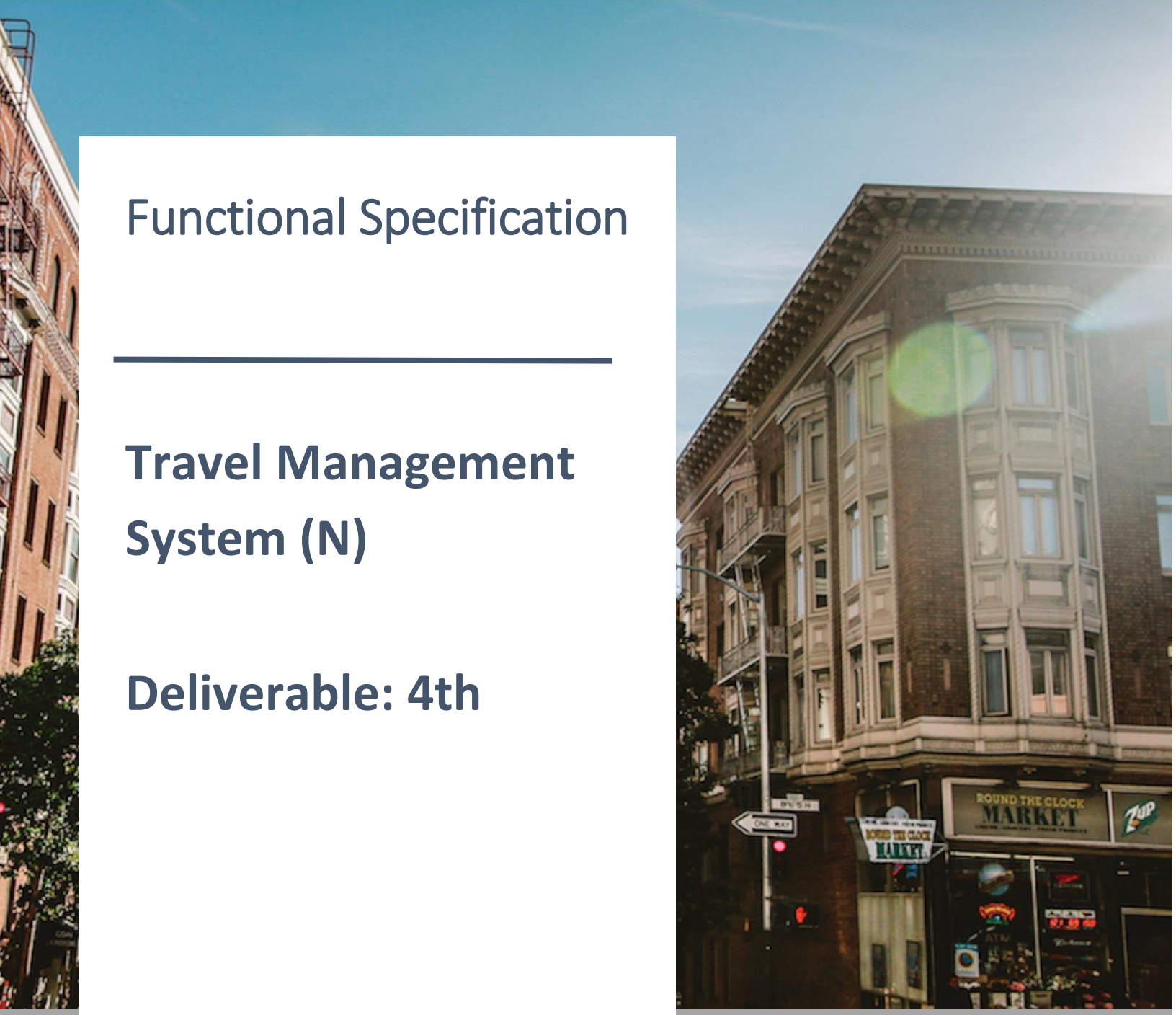



# Functional Specification

## Travel Management System (N)

## Deliverable: 4th

**Submitted by:**

**Hamza Aslam**

GIFT UNIVERSITY

# Travel Management System (N)

## Problem statement:

In the current system, a customer has to go to various travel agencies to find out the details of the places to travel and book tickets. It often takes time and effort. Hardly any complete information is available and even some information requires more time. Which makes it very difficult for the customer to plan the travel and carry it out properly. We are looking for developers who can make products for us.
Where people can:

- Choose their travel plans online.
- Book tickets from home.
- Pay online without standing in lines.

## Scope:

### Do’s:

An individual would be able to:

- Choose offered locations.
- Book the ticket online.
- Cancel the booking.
- Change the location.
- Choose vehicle condition (First class, Business class, and Economy class).
- Pay online.

### Don’t:

An individual wouldn't be able to:

- Pay offline.
- Book the hotel.
- Buy the food.
- Choose the location that is not offered by the system.
- Book the ticket offline.
- Cancel the booking offline.
- Replace the location offline.

## Requirement Specification:

### Business Requirements:

**According to the business requirements collected from the client, the system should be able to:**

**BR-1:** Show traveling plan within 10 seconds.
**BR-2:** Offer ticket booking.
**BR-3:** Allow the user to view a specific rout detail within 10 seconds.
**BR-4:** Allow the user to book the tickets 6 hours before traveling.
**BR-5:** Allow the user to choose the bus service (First class, Business class, Economy class).
**BR-6:** Allow the user to Pay online within 4 hours after booking.
**BR-7:** Allow the user to change the plan within 4 hours after booking.
**BR-8:** Allow the user to cancel the booking within 4 hours after booking.

### User Requirements:

**According to the user requirements collected from the users,**
**As a Passenger, I shall be able to:-**

**UR-1:** Search about the places.
**UR-2:** Book the tickets by choosing the bus service (First class, Business class, Economy class).
**UR-3:** Pay payment online via debit card.
**UR-4:** Change my package after ticket booking.
**UR-5:** Cancel booking after ticket booking.

**As a Manager, I shall be able to:-**

**UR-7:** Add places to the system.
**UR-8:** Delete places from the system.
**UR-9:** Add packages to the system.
**UR-10:** Delete packages from the system.
**UR-11:** Check booking status.
**UR-12:** Check payment status.

### Functional Requirements:

**FR-1:** System should provide the facility to show traveling plan.
**FR-2:** System should provide the facility to offer ticket booking.
**FR-3:** System should provide the facility to view a specific rout detail.
**FR-4:** System should provide the facility to book the tickets.

**FR-5:** System should provide the facility to choose the bus service (First class, Business class, Economy class).
**FR-6:** System should provide the facility to pay online after booking.
**FR-7:** System should provide the facility to change the plan after booking.
**FR-8:** System should provide the facility to cancel the booking
after ticket booking.
**FR-9:** System should provide the facility to add places to the system.
**FR-10:** System should provide the facility to delete places from the system.
**FR-11:** System should provide the facility to add packages to the system.
**FR-12:** System should provide the facility to delete packages from the system.
**FR-13:** System should provide the facility to check booking status.
**FR-14:** System should provide the facility to check payment status.

### Non-Functional Requirements:

**NFR-01:** User must book the tickets 6 hours before traveling.
**NFR-02:** User must pay online within 4 hours after booking.
**NFR-03:** User must change the plan within 4 hours after booking.
**NFR-04:** User must cancel the booking within 4 hours after booking.

# Use Case Scenarios

| | |
|---|---|
| **ID and Name:** | **UC-1 request travelling package** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/21** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will search for travelling packages using its Name or ID. The system will offer the passenger travelling packages. The passenger will choose a specific package from given travelling packages.** |
| **Preconditions:** | **PRE-1. Passenger request has been authenticated.**<br>**PRE-2. Passenger is authorized to choose travelling packages.** |
| **Postconditions:** | **POST 1. Request is stored in the system.**<br>**POST 2. Request is sent to the system.** |
| **Normal Flow:** | 1.0 Request for travelling places from the system<br>**1. Passenger will search for travelling packages.**<br>**2. System will show the list of travelling packages if not (see 1.1.E1).**<br>**3. System will provide the passenger with option to choose Travelling packages.**<br>**4. Passenger select the travelling package.**<br>**5. Passenger enters other information to complete the request.**<br>**6. System stores the request and notify the passenger.** |
| **Alternative Flow:** | N/A |
| **Exceptions:** | 1.1.E1. Travelling plan is not available<br>**1. System displays message: Package is not available.**<br>**2. System asks the passenger if he wants to request for another travelling package see (3a) or to exit(4a).**<br>**3a. Passenger asks to request for another travelling package.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-2 request route detail** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/21** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will search for routes detail using its Name or ID. The system will offer the passenger routes detail. The passenger will choose the route from given routes.** |
| **Preconditions:** | **PRE-1. Passenger request has been authenticated.**<br>**PRE-2. Passenger is authorized to see route detail.** |
| **Postconditions:** | **POST 1. Request is stored in the system.**<br>**POST 2. Request is sent to the system.** |
| **Normal Flow:** | 2.0 Request for travelling places from the system<br>**1. Passenger will search for route detail.**<br>**2. System will show the list of routes, if not (see 2.1.E1).**<br>**3. System will provide the passenger with option to see a specific route detail.**<br>**4. Passenger select a specific route.**<br>**5. Passenger enters other information to complete the request.**<br>**6. System stores the request and notify the passenger.** |
| **Alternative Flow:** | N/A |
| **Exceptions:** | 2.1.E1. Route is not available<br>**1. System displays message: Route is not available.**<br>**2. System asks the passenger if he wants to request for another route detail see (3a) or to exit(4a).**<br>**3a. Passenger asks to request for another route.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **Low** |

| | |
|---|---|
| **ID and Name:** | **UC-3 request bus service** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/21** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will search for bus service using its Name or ID. The system will offer the passenger bus service (First class/Business class/Economy class). The passenger will choose the bus service from given bus services.** |
| **Preconditions:** | **PRE-1. Passenger request has been authenticated.**<br>**PRE-2. Passenger is authorized to choose bus service.** |
| **Postconditions:** | **POST 1. Request is stored in the system.**<br>**POST 2. Request is sent to the system.** |
| **Normal Flow:** | 3.0 Request for travelling places from the system<br>**1. Passenger will search for bus service (First class/Business class/Economy class).**<br>**2. System will show the list of bus services.**<br>**3. System will provide the passenger with option to choose bus Service, if any service is filled (see 3.1).**<br>**4. Passenger select the bus service.**<br>**5. Passenger enters other information to complete the request.**<br>**6. System stores the request and notify the passenger.** |
| **Alternative Flow:** | 3.1 Request for travelling places from the system<br>**System will ask to passenger to choose other bus service option. If All services filled (see 3.1.E1).**<br>**1. Passenger select the bus service.**<br>**2. Passenger enters other information to complete the request.**<br>**3. System stores the request and notify the passenger.** |
| **Exceptions:** | 3.1.E1 Request for travelling places from the system.<br>**1. System notifies the passenger; the service is not available.**<br>**2. System asks the passenger if he want to request another Add place (3a) or to exit (4a).**<br>**3a. Passenger asks to request another add place.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminates the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-4 request to book ticket.** |
| **Created By:** | **Hamza Aslam** **Date Created:** **18/01/2021** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will book ticket by using his/her name or ID, by choosing The package and Bus service. The system will check if the chooses package and Bus service exist in travel management system, then system will book ticket, or system Will notify please select package and bus service before Booking.** |
| **Preconditions:** | **PRE-1. Passenger identity has been authenticated.**<br>**PRE-2. Passenger is authorized to request book ticket.**<br>**PRE-3. Passenger must choose a package.**<br>**PRE-4. Passenger must choose bus service.** |
| **Post conditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. Request was sent to the passenger.**<br>**POST-3. Ticket is booked.** |
| **Normal Flow:** | 4.0 Book the tickets from travel management system.<br>**1. Passenger will search for ticket booking.**<br>**2. System will provide the passenger with option to book The ticket.**<br>**3. Passenger will book the ticket.**<br>**4. Passenger enters other information to complete the request.**<br>**5. System stores the request and notify the passenger.** |
| **Alternative Flow:** | 4.1 Book tickets from the travel management System.<br>**1.System notifies the passenger that the booking ticket Does not exists.**<br>**2. The system displays the information of route place.**<br>**4. Passenger enter other information to complete the request.**<br>**5. System stores the request and notify the manager.** |
| **Exceptions:** | 4.1.E1 Result is not Available<br>1. **System displays message: Ticket does not**<br>**2 System asks the passenger if he want to request another Result to book ticket (3a) or to exit (4a).**<br>**3a. Passenger asks to request book another ticket.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminates the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-5 request to pay online.** |
| **Created By:** | **Hamza Aslam** **Date Created:** **18/01/2021** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will search for online payment by using its Name or ID. The System will show online payment methods to passenger. The passenger Will choose the online payment method. The system will check if chooses payment method is exist , then system will accept the payment or system Will notify choose payment method from given online payment methods.** |
| **Preconditions:** | **PRE-1. Passenger identity has been authenticated.**<br>**PRE-2. Passenger is authorized to request pay online.**<br>**PRE-3. Passenger must book ticket.** |
| **PostConditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. Request was sent to the passenger.**<br>**POST-3. Your payment is accepted.** |
| **Normal Flow:** | 5.0 Request pay online from travel management system.<br>**1. Passenger will search for online payment methods.**<br>**2. System will show the list of online payment methods.**<br>**3. System will provide the passenger with option to choose the online Payment method.**<br>**4. Passenger will choose the online payment method.**<br>**5. Passenger enters other information to complete the request.**<br>**6. System stores the request and notify the passenger.** |
| **Alternative Flow:** | 5.1 Request payment method from the travel management System.<br>**1.System notifies the passenger that online method does Not exists (see 5.1.E1).**<br>**2. System gives passenger the option to view payment methods.**<br>**3. Passenger select payment method.**<br>**4. System store the request and notify the passenger.** |
| **Exceptions:** | 5.1.E1 Result is not Available<br>1. **System displays message: not online payment.**<br>2. **System asks the passenger if he want to request another Result to choose payment method (3a) or to exit (4a).**<br>**3a. Passenger asks to request to choose payment method.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminates the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-6 request to change the package** |
| **Created by:** | **Hamza Aslam Date created: 1/18/20** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will search for changing package by using its Name or ID. The System will show traveling packages to passenger. The passenger will choose The traveling package. The system will check if chooses package is exist , then system will accept the package or system will notify choose package From given traveling packages.** |
| **Preconditions:** | **PRE-1. Passenger request has been authenticated.**<br>**PRE-2. Passenger is authorized to change travelling plan.**<br>**PRE-3. Passenger must validate booking.** |
| **PostConditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. System checked validation of booking.**<br>**POST-3. Plan is changed.** |
| **Normal Flow:** | 6.0 Request for change travelling plan from the system<br>**1. Passenger will search for change travelling plan.**<br>**2. System will show the lists of travelling packages.**<br>**3. System gives passenger the option to view travelling plan.**<br>**4. Passenger select the specific travelling plan.**<br>**5. Passenger enters other information to complete the request.**<br>**6. System stores the request and notify the passenger.** |
| **Alternative Flow:** | **1. System notifies the passenger that change plan does not exists.**<br>**2. System lists the desired travelling plan.**<br>**3. System gives passenger the option to view travelling plan.**<br>**4. Passenger select the specific travelling plan.**<br>**5. System change the payment method according selected plan.**<br>**6. Passenger enters other information to complete the request.**<br>**7. System stores the request and notify the passenger.** |
| **Exceptions:** | 6.1.E1. Change travelling plan<br>1. **System displays message: Not change travelling plan.**<br>**2. System asks the passenger if he wants to change travelling plan (3a) or to exit (4a).**<br>**3a. Passenger asks to request for change travelling plan.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **Low** |

| | |
|---|---|
| **ID and Name:** | **UC-7 request to cancel the booking** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/20** |
| **Actor:** | **Passenger** |
| **Description:** | **The passenger will search for cancel the booking by using its Name or ID. The system will give the option of cancel the booking to passenger. The passenger will cancel the booking. The system will accept the Request and notify the passenger.** |
| **Preconditions:** | **PRE-1. Passenger request has been authenticated.**<br>**PRE-2. Passenger is authorized to cancel the booking.**<br>**PRE-3. Passenger must validate booking.** |
| **Postconditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. System checked validation of booking.**<br>**POST-3. Ticket is cancel.** |
| **Normal Flow:** | 7.0 Request for cancel the booking from the system<br>**1. Passenger request for cancel the booking.**<br>**2. System gives passenger the option to cancel the Booking.**<br>**3. Passenger will cancel the booking.**<br>**4. System stores the request and notify the passenger.**<br>**5. After cancel booking system automatically refund Ticket charges.** |
| **Alternative Flow:** | **1. System notifies the passenger that cancel booking Already exists.**<br>**2. System displays the option to cancel the booking.**<br>**3. Passenger cancel the booking.**<br>**4. System stores the request and notify the passenger.**<br>**5. After cancel booking system automatically refund Ticket charges.** |
| **Exceptions:** | 7.1.E1. Cancel the booking<br>1. **System displays message: booking did not cancel.**<br>**2. System asks the passenger if he wants to cancel the booking (3a) or to exit (4a).**<br>**3a. Passenger asks to request for cancel the booking.**<br>**3b. System starts normal flow over.**<br>**4a. Passenger asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-8 request Add Place.** |
| **Created By:** | **Hamza Aslam** **Date Created:** **18/01/2021** |
| **Actor:** | **Manager** |
| **Description:** | **The manager will add a route place using his/her Name or ID, Including location, distance, and a few details about the place. The system will check whether the route place already exists in the system or not, if the route place does not exist in the system then the system will add this route place to the system otherwise, it will notify that route place already exists.** |
| **Preconditions:** | **PRE-1. Manager identity has been authenticated.**<br>**PRE-2. Manager is authorized to request Add Place.**<br>**PRE-3. Travel Management System database is online.** |
| **Post conditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. The request was sent to the system.**<br>**POST-3. Route place added to the system.** |
| **Normal Flow:** | 8**.0 Request add place from manager.**<br>**1. The manager adds information of the specific route place.**<br>**2. The system check for the same route place in the database of Travel management system, if any (see 8.1).**<br>**3. Manager enter other information to complete the request.**<br>**4. System stores the request and notify the manager.** |
| **Alternative Flow:** | 8**.1 Request add place from manager.**<br>**1. System notifies the manager that the route place information already exists (see 8.1.E1).**<br>**2. The system displays the information of that route place.**<br>**3. Manager adds information of that route place.**<br>**4. Manager enter other information to complete the request.**<br>**5. System stores the request and notify the manager.** |
| **Exceptions:** | 8**.1.E1 Result is not Available**<br>**1. System displays message: Not online database.**<br>**2. System asks the manager if he want to request another Add place (3a) or to exit (4a).**<br>**3a. Manager asks to request another add place.**<br>**3b. System starts normal flow over.**<br>**4a. Manager asks to exit.**<br>**4b. System terminates the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-9 request Delete Place.** |
| **Created By:** | **Hamza Aslam** **Date Created:** **18/01/2021** |
| **Actor:** | **Manager** |
| **Description:** | **The manager will delete a route place using his/her Name or ID, By choosing the place from the list. The system will check if the chooses Route place exist in the database of travel management system, then system Will delete that route place, or system will notify that route place is not found.** |
| **Preconditions:** | **PRE-1. Manager identity has been authenticated.**<br>**PRE-2. Manager is authorized to request Add Place.**<br>**PRE-3. Travel Management System database is online.** |
| **Post conditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. The request was sent to the system.**<br>**POST-3. Route place deletes from the system.** |
| **Normal Flow:** | **10.0 Request delete place from manager.**<br>**1. The manager delete information of the specific route place.**<br>**2. The system check for the route place in the database of Travel management system, if not (see 10.1).**<br>**3. Manager enter other information to complete the request.**<br>**4. System stores the request and notify the manager.** |
| **Alternative Flow:** | **10.1 Request add place from manager.**<br>**1. System notifies the manager that the route place information does not exists (see 10.1.E1).**<br>**2. The system displays the information of others route place.**<br>**3. Manager delete information of that route place.**<br>**4. Manager enter other information to complete the request.**<br>**5. System stores the request and notify the manager.** |
| **Exceptions:** | **10.1.E1 Result is not Available**<br>**1. System displays message: Not online database.**<br>**2. System asks the manager if he want to request another delete place (3a) or to exit (4a).**<br>**3a. Manager asks to request another delete place.**<br>**3b. System starts normal flow over.**<br>**4a. Manager asks to exit.**<br>**4b. System terminates the use case.** |
| **Priority:** | **Low** |

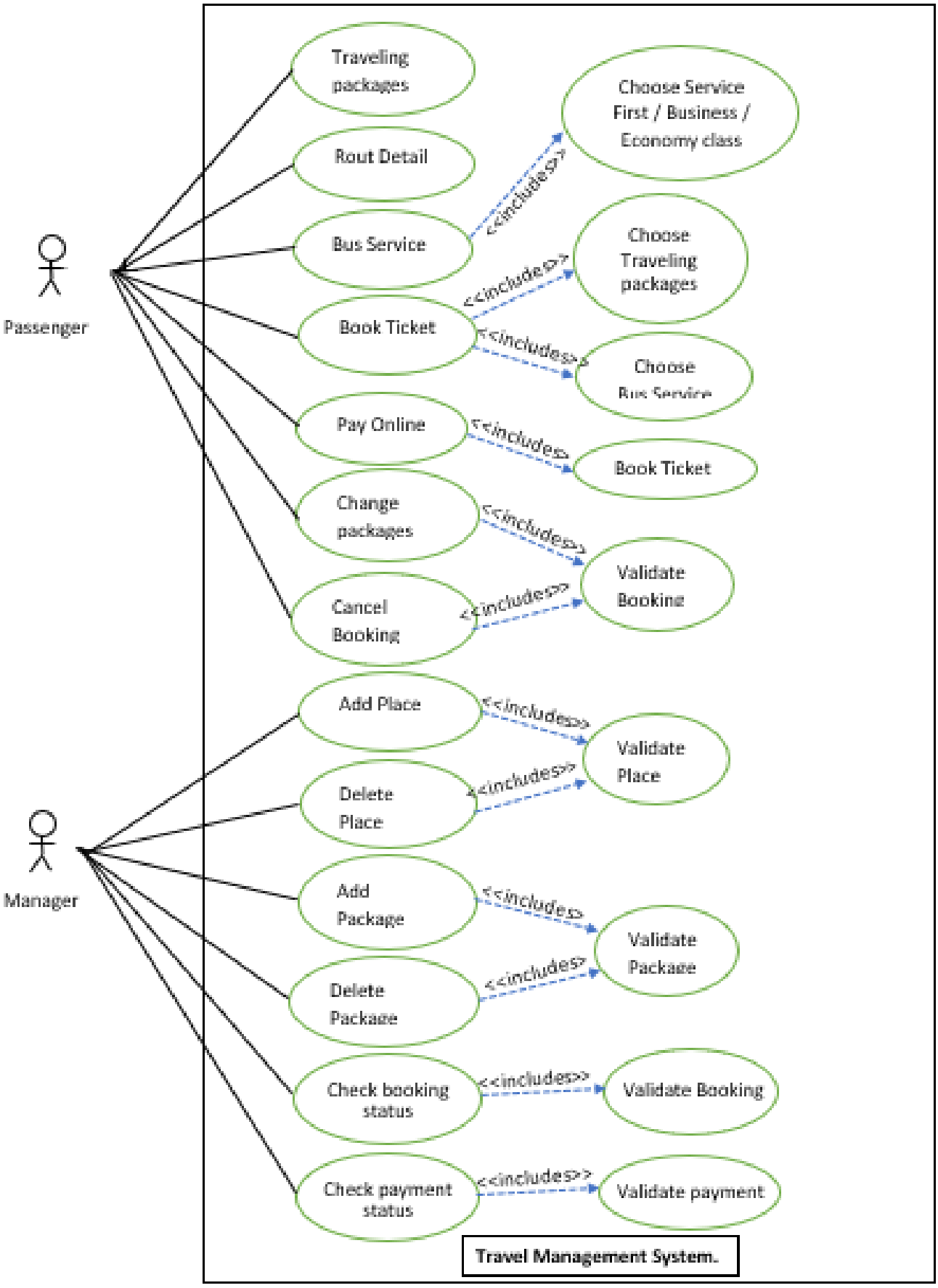
| | |
|---|---|
| **ID and Name:** | **UC-10 request Add Package.** |
| **Created By:** | **Hamza Aslam** **Date Created:** **18/01/2021** |
| **Actor:** | **Manager** |
| **Description:** | **The manager will add a package using his/her Name or ID, Including route place detail, duration of package, price, and few details about the package. The system will check whether the package already exists in the system or not, if the package does not exist in the system then the system will add this package to the system otherwise, it will notify that package already exists.** |
| **Preconditions:** | **PRE-1. Manager identity has been authenticated.**<br>**PRE-2. Manager is authorized to request Add Place.**<br>**PRE-3. Travel Management System database is online.** |
| **Post conditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. The request was sent to the system.**<br>**POST-3. Package added to the system.** |
| **Normal Flow:** | **11.0 Request add package from manager.**<br>**1. The manager adds information of the specific package.**<br>**2. The system check for the same package in the database of Travel management system, if any (see 11.1).**<br>**3. Manager enter other information to complete the request.**<br>**4. System stores the request and notify the manager.** |
| **Alternative Flow:** | **11.1 Request add package from manager.**<br>**1. System notifies the manager that the package information already exists (see 11.1.E1).**<br>**2. The system displays the information of that package.**<br>**3. Manager adds information of that package.**<br>**4. Manager enter other information to complete the request.**<br>**5. System stores the request and notify the manager.** |
| **Exceptions:** | **11.1.E1 Result is not Available**<br>**1. System displays message: Not online database.**<br>**2. System asks the manager if he want to request another Add package (3a) or to exit (4a).**<br>**3a. Manager asks to request another add package.**<br>**3b. System starts normal flow over.**<br>**4a. Manager asks to exit.**<br>**4b. System terminates the use case.** |
| **Priority:** | **High** |

| | |
|---|---|
| **ID and Name:** | **UC-11 Request delete package** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/21** |
| **Actor:** | **Manager** |
| **Description:** | **The manager will delete a package using his/her Name or ID, By choosing the package from the list. The system will check if the chooses package exist in the database of travel management system, then system will delete that package, or system will notify that package is not found.** |
| **Preconditions:** | **PRE-1. Manager identity has been authenticated.**<br>**PRE-2. Manager is authorized to request delete package.**<br>**PRE-3. Travel Management System database is online.** |
| **Post conditions:** | **POST-1. Request is stored in the system.**<br>**POST-2. The request was sent to the system.**<br>**POST-3. Package deletes from the system.** |
| **Normal Flow:** | 11.0 Request for delete packages from the system.<br>**1. Manager will search to find the travelling packages.**<br>**2. System will show the fended traveling packages.**<br>**3. Manager select the specific travelling package.**<br>**4. Package delete form the system.** |
| **Alternative Flow:** | 11.1 Request for travelling places from the system.<br>**1. System notifies the manager that travelling package is not available see 11.1.E1.**<br>**2. System again displays the travelling packages list.**<br>**3. Passenger choose package from the list to delete the package.**<br>**4. System stores the request and notify the passenger.** |
| **Exceptions:** | 11.1.E1. Travelling package is not available.<br>**1. System displays message: result not found.**<br>**2. System asks the manager if he wants to request for another travelling package see (3a) or to exit (4a).**<br>**3a. Manager asks to request for another travelling package.**<br>**3b. System starts normal flow over.**<br>**4a. Manager asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **Low** |

| | |
|---|---|
| **ID and Name:** | **UC-2 request to check booking status** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/21** |
| **Actor:** | **Manager** |
| **Description:** | **The manager can check the number of tickets who had been booked.** |
| **Preconditions:** | **PRE-1. System must check validate the tickets are booked or not.**<br>**PRE-2. Manager identity has been authenticated.**<br>**PRE-3. Manager is authorized to request booking status.**<br>**PRE-4. Travel Management System database is online.** |
| **Postconditions:** | **POST 1. System shows the list of booked tickets.**<br>**POST-2. Request is stored in the system.**<br>**POST-3. The request was sent to the system.** |
| **Normal Flow:** | 12.0 Request for check booking status in the system<br>**1. Manager will request for check booking status.**<br>**2. System will categories the booking with respect the routes.**<br>**3. System will provide the option to manager to see a specific passenger's detail.**<br>**4. System will shows the details of the passengers.** |
| **Alternative Flow:** | 12.1 Request for check booking status in the system<br>**1. System will notify the manager that there is not any booked ticket.(12.1.E1).**<br>**2. System display routes detail.**<br>**3. Passenger choose the route from list to complete the request.**<br>**4. System stores the request and notify the passenger.** |
| **Exceptions:** | 12.1.E1. Tickets are not booked.<br>**1. System displays the message: not any booked ticket yet.**<br>**2. System asks the manager if he wants to check Booking status then see (3a) or to exit(4a).**<br>**3a. Manager asks to check booking status.**<br>**3b. System starts normal flow over.**<br>**4a. Manager asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **Low** |

| | |
|---|---|
| **ID and Name:** | **UC-13 Request to check payment status** |
| **Created by:** | **Hamza Aslam** **Date created: 1/18/21** |
| **Actor:** | **Manager** |
| **Description:** | **Manager will able to check the payment of any booked ticket.** |
| **Preconditions:** | **PRE-1. Manager identity has been authenticated.**<br>**PRE-2. Manager is authorized to request payment status.**<br>**PRE-3. System will validate the payment status.** |
| **Post conditions:** | **POST 1. System shows all these passenger's details those had been pay already.** |
| **Normal Flow:** | 13.0 Request to check payment status in the system<br>**1. Manager will request to check payment status.**<br>**2. System will show the list of passengers who are pay already.**<br>**3. Manager will able to check specific information of a passenger.**<br>**4. System stores the request and notify the passenger.** |
| **Alternative Flow:** | 13.0 Request to check payment status in the system<br>1. **System will notify the manager that there are not any payment (13.1.E1).** |
| **Exceptions:** | 13.1.E1. Tickets are not booked.<br>**1. System displays the message: not any payment yet.**<br>**2. System asks the manager if he wants to check the payment status then see (3a) or to exit (4a).**<br>**3a. Manager asks to check payment status.**<br>**3b. System starts normal flow over.**<br>**4a. Manager asks to exit.**<br>**4b. System terminate the use case.** |
| **Priority:** | **High** |

**Use Case Diagram.**



# Story Boarding

Card

**1. As a passenger, I want to see travelling package, so that I would be able to plan a journey.**

Conversation

**Passenger: I want to see a traveling package in the system to plan a journey.**

**Developer: which type of package do you want to see?**

**Passenger: I want to see a complete package that includes route detail, price, duration of that package, and bus service.**

**Developer: I will design a complete package interface that includes all of these.**

Conformation

**Display the list of the travelling packages within 10 seconds.**

Card

**2. As a passenger, I want to see Route's detail, so that I would be able to see specific route's detail for journey.**

Conversation

**Passenger: I want to see a route detail in the system to get information about the route.**

**Developer: which type of route detail do you want to see?**

**Passenger: I want to see a complete route detail which include distance and the history of that location.**

**Developer: I will design a route detail interface that includes all of these.**

Conformation

**Display the detail of a specific route within 10 seconds.**

Card

**3. As a passenger, I want to choose bus service, so that I would be able to make my journey comfortable.**

Conversation

**Passenger: I want to choose bus service in the system.**

**Developer: which type of bus service do you want to choose?**

**Passenger: I want to see all bus services which include First class/Business class/Economy class.**

**Developer: I will design a bus service interface that includes all of these.**

Conformation

**Display the bus services and Passenger should be able to choose one of them.**

Card

**4. As a passenger, I want to book ticket, so that I can reserve my seat.**

Conversation

**Passenger: I want to book ticket for my journey.**

**Developer: which type service do you want to choose before booking?**

**Passenger: I want to see all travelling packages and bus services to book my ticket.**

**Developer: I will design a book ticket interface that includes all of these.**

Conformation

**Display the ticket booking service and Passenger should be able to book the ticket.**
Card
**5. As a passenger, I want to pay online, so that I can start my journey.**
Conversation
**Passenger: I want to pay online to start my journey.**
**Developer: How do you want to pay online?**
**Passenger: I want to pay through card number after booking the ticket.**
**Developer: I will design a pay online interface that includes all of these.**
Conformation
**Display the online payment method and Passenger should be able to pay online.**
Card
**6. As a passenger, I want to change the package, so that I can rearrange my journey if my plan changed.**
Conversation
**Passenger: I want to change package for my journey.**
**Developer: How do you want to change package?**
**Passenger: I want to change package completely and select another package that includes route detail, price, duration of that package, and bus service.**
**Developer: I will design a change interface that includes all of these.**
Conformation
**Display the change package service and Passenger should be able to choose change the package.**
Card
**7. As a passenger, I want to cancel booking, so that I am not charged if my plan changed.**
Conversation
**Passenger: I want to cancel the booking.**
**Developer: How do you want to cancel booking?**
**Passenger: I want to cancel all selected services and refund my money.**
**Developer: I will design a cancel booking interface that includes all of these.**
Conformation
**The Passenger should be able to cancel the booking after the payment of booking.**
Card
**8. As a Manager, I want to add route place to the system, so that I can update the route place status.**
Conversation
**Manager: I want to add a new route place in the system.**
**Developer: which type of information do you want add in new route place?**
**Manager: I want to add route detail, distance of that route, and history about that route.**
**Developer: I will design add route place interface that includes all of these.**
Conformation
**The Manager should be able to add the all information about a new route place.**
Card

**9. As a Manager, I want to delete the route place from the system, so that I can update the route place status.**

Conversation

**Manager: I want to delete route place from the system.**

**Developer: which type of information do you want to delete from the system?**

**Manager: I want to delete all information about the route detail.**

**Developer: I will design a delete route place interface that includes all of these.**

Conformation

**The Manager should be able to remove the all information (route detail, distance and history of the arrival location) of exist route place.**

Card

**10. As a manager, I want to add a package to the system, so that I can update the status of the package.**

Conversation

**Manager: I want to add a new package in the system.**

**Developer: which type of information do you want add in new package?**

**Manager: I want to add route detail, price, duration of that package.**

**Developer: I will design a add package interface that includes all of these.**

Conformation

**The Manager should be able to add the all information (route detail, price, and duration) about a new package.**

Card

**11. As a manager, I want to delete a traveling package, so that I can update the traveling package status.**

Conversation

**Manager: I want to delete a package.**

**Developer: what kind of package do you want to delete?**

**Manager: I want to delete a package from given packages list.**

**Developer: I make an option for you to delete a package.**

Conformation

**The system should delete a package selected by the manager.**

Card

**12. As a manager, I want to check booking status, so that I would be able to check any specific booking status for determine which number of passengers' reserve seat.**

Conversation

**Manager: I want to check booking status.**

**Developer: what kind of status do you want to see?**

**Manager: I want to see the number of passengers who have reserved seats.**

**Developer: I will add a function for you to see those passengers who have reserved sets.**

Conformation

**The manager can view booking status of all passengers.**

Card

**13. As a manager, I want to check payment status, so that I would be able to check any specific payment status for determine which number of passengers had pay.**

Conversation

**Manager: I want to check payment status.**
**Developer: what kind of status do you want to check.**
**Manager: I want to check which number of persons who had pay already and where they gone.**
**Developer: okay, I will add a function for you to check how many numbers of persons who had pay already and where they gone.**

Conformation

**The manager can view payment status of all passengers.**