

# Traveler's inn

## Project Proposal

Submitted to

Prof. Fawad

Submitted by

Syed Qasim Ibrar Shah

{27192}

**Department of Computer Science**

[7/24/2022]

## **1. Introduction**

In this system, we provide all the information necessary for the tourist to travel. This web/app helps to reserve hotels and seats of transport.

## **2. Objective**

The main goal of this project is to facilitate all the travelers under this system framework.

## **3. Problem Description**

We are trying to resolve the main issue reported by the tourist. It is observed that many of the tourist doesn't have proper guideline about the country they travel in, so there is the need of a system that provide all the detail like hotel booking, air travel booking and tourist guide etc, in a single framework environment, by this system we can integrate all the necessary information modules on a single framework to ease tourist in their travel.

## **4. Requirements**

All the requirements related to your system should be listed here.

### **1. Sign in as admin**

- a. Username 1a
- b. Password 1b
- c. Forget password 1c

### **2. Admin**

- a. Add new package 2a
- b. Update package 2b
- c. delete package 2c

### **3. Sign in as user**

- a) Username 3a
- b) Password 3b
- c) Forget password 3c

### **4. User**

- a. Name 4a
- b. Address 4b
- c. CNIC 4C
- d. Mobile number 4d

### **5. Ticket booking**

- a) Price 5a
- b) Date/time 5b
- c) Departure 5c
- d) Return 5d

### **6. Hotel booking**

- a. Price 6a

- b. Check in/out 6b
- c. Location 6c
- d. Hotel facilities 6d

**7. Payment detail**

- a. Payment options are also available 7a
- b. Payment always in USD 7b

**8. Car hire**

- a. Reserve 8a
- b. Date/time 8b
- c. Pickup location 8c

**9. Security**

- a. User information must be secure 9a

**10. Reliability**

- a. Provide reliable environment 10a

**11. Usability**

- a. User friendly 11a
- b. No lag 11b
- c. Require less internet(data) 11c

**12. Availability**

- a. Service should provide **24/7** hours 12a

**13. In App/web there will must be use of latest features 13a**

**14. Project should be completed in 1 month 14a**

**15. There should always be a backup of data if something happen 15a**

**16. Budget**

- a. Under **5000 USD**

## 17. Features

- a. Using latest features 17a

## 5. References

Mention all the literature or web references here. The references should be properly numbered and correctly used in the text.

## Semester Project – Phase 1

Total Marks: 10

Weightage: 4

In this course, you are asked to write a software requirement specification document as a semester project. The first phase should contain the following requirements:

### 1. 10 Functional Requirements

#### **Admin Profile**

- Admin can update any package 1a
- Admin can delete any package 1b
- Admin can reset his/her password 1c

#### **User**

- User can book a ticket 2a
- User can book a hotel 2b
- User can book a car/bus 2c
- User can change his/her password 2d
- User can update his information 2e

#### **Payment**

- Payment should be online 3a
- Payment will always in **USD** 3b

## Booking

- User and admin can book ticket, hotel and a car 4a

### 2. 5 Non-Functional Requirements

- There should always be a backup of data if something happen (NFR 1A)
- In App/web there will must be a use of latest features (NFR 1B)
- System should be secure (NFR 1C)
- There should be no lag (NFR 1D)
- Provide service **24/7**(NFR 1E)

### 3. 3 Constraints Requirements

- Budget should be under **5000 USD** (CR 1A)
- Project should be done in **1** month (CR 1B)
- App/web quality should be good (CR 1C)

### 4. 2 Inverse Requirements

- Password should not be more than **8** digits (IR 1A)
- Single person can't book more than **5** rooms (IR 1B)

### 5. 1 Domain Requirement

- This (app/web) project must target the travel agencies (DM 1A)

## Functional Requirements Description

Functional Req. ID #	Function Name	Functional Requirement Description	Software Requirement
FR 1	Update Package	Admin can update any package	1a
FR 2	Delete Package	Admin can delete any package	1b
FR 3	Reset Password	Admin can reset password	1c
FR 4	Book Ticket	User can book a ticket	2a
FR 5	Book Hotel	User can book a hotel	2b
FR 6	Book Car/Bus	User can book a car/bus	2c
FR 7	Change Password	User can change password	2d
FR 8	Update Info	User can update his information	2e
FR 9	Payment Method	Payment should be online	3a
FR 10	Currency	Payment will always in <b>USD</b>	3b

**Non-functional Requirements Description**

<b>Non-Functional Req. ID #</b>	<b>Function Name</b>	<b>Non-Functional Requirement Description</b>	<b>Software Requirement</b>
NFR 1	Security	User information must be secure	9a
NFR 2	Reliability	Provide reliable environment	10a
NFR 3	Usability	User friendly	11a
NFR 4	Availability	Available <b>24/7</b> hour	12a
NFR 5	Features	Using latest features	17a

**Constraint Requirements Description**

<b>Constraint Req. ID #</b>	<b>Function Name</b>	<b>Constraint Requirement Description</b>	<b>Software Requirement</b>
CON1	Budget	Budget should be under <b>5000 USD</b>	CR 1A
CON2	Duration/time	1 Month	CR 1B
CON3	Quality	Graphic should be good	CR 1C

**Inverse Requirements Description**

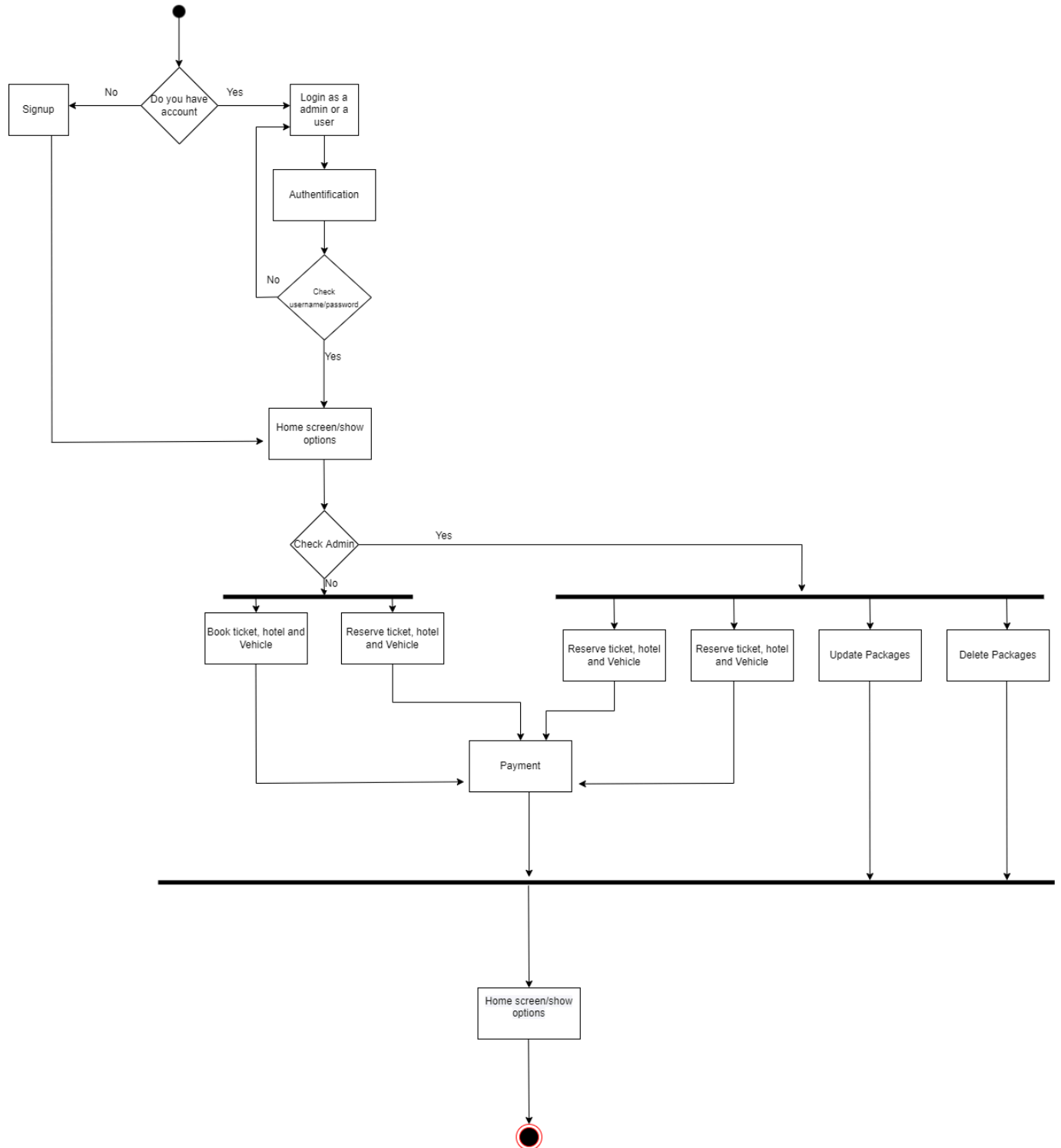
<b>Inverse Req. ID #</b>	<b>Function Name</b>	<b>Inverse Requirement Description</b>	<b>Software Requirement</b>
INV1	Password requirement	Password should not more than <b>8</b> digits	IR 1A
INV2	Room booking	Single person can't book room more than <b>5</b>	IR 1B

**Constraint Requirements Description**

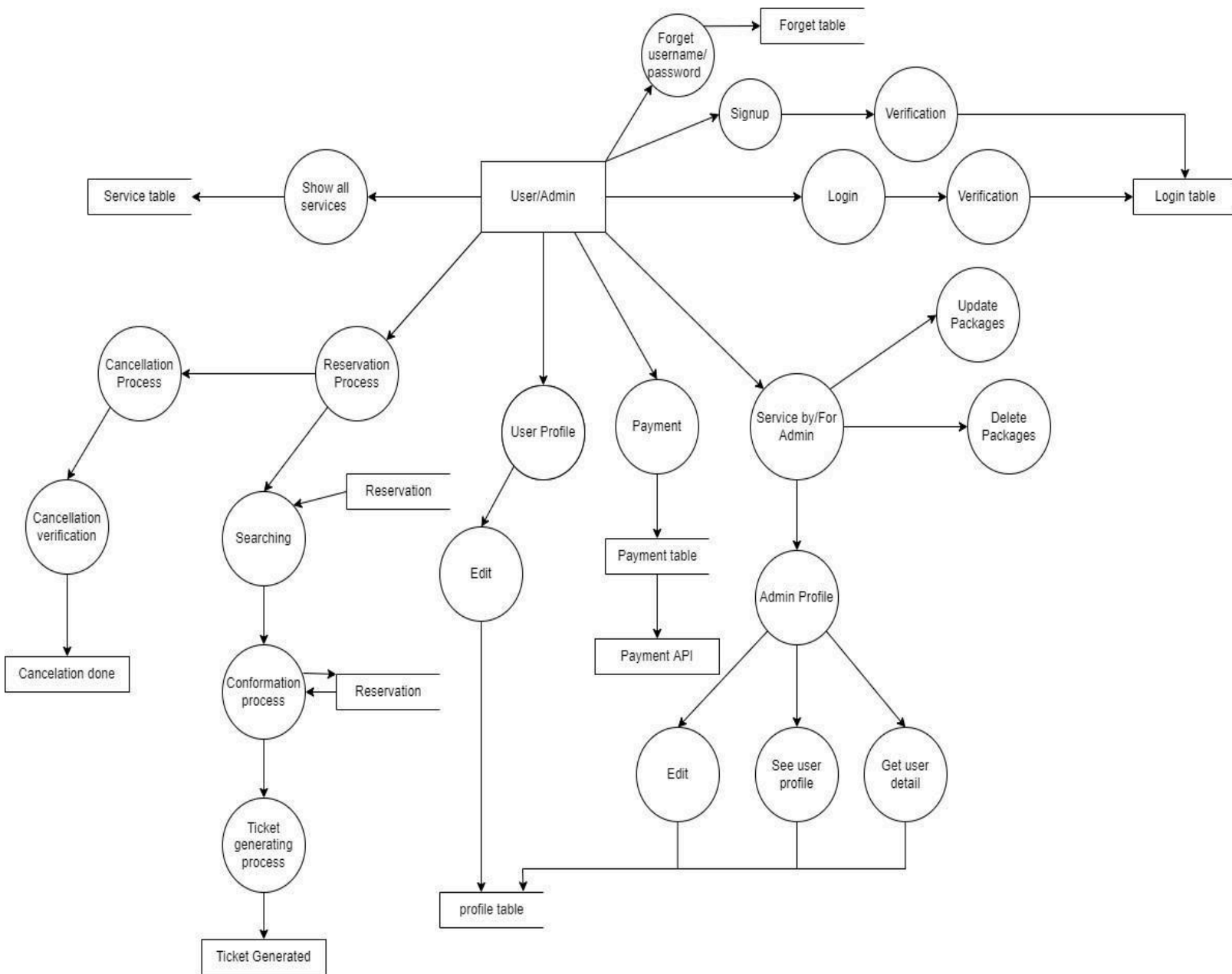
<b>Constraint Req. ID #</b>	<b>Function Name</b>	<b>Constraint Requirement Description</b>	<b>Software Requirement</b>
DOM1	Target	Target the travel agencies	DM 1A

## Phase II, III

### Activity Diagram

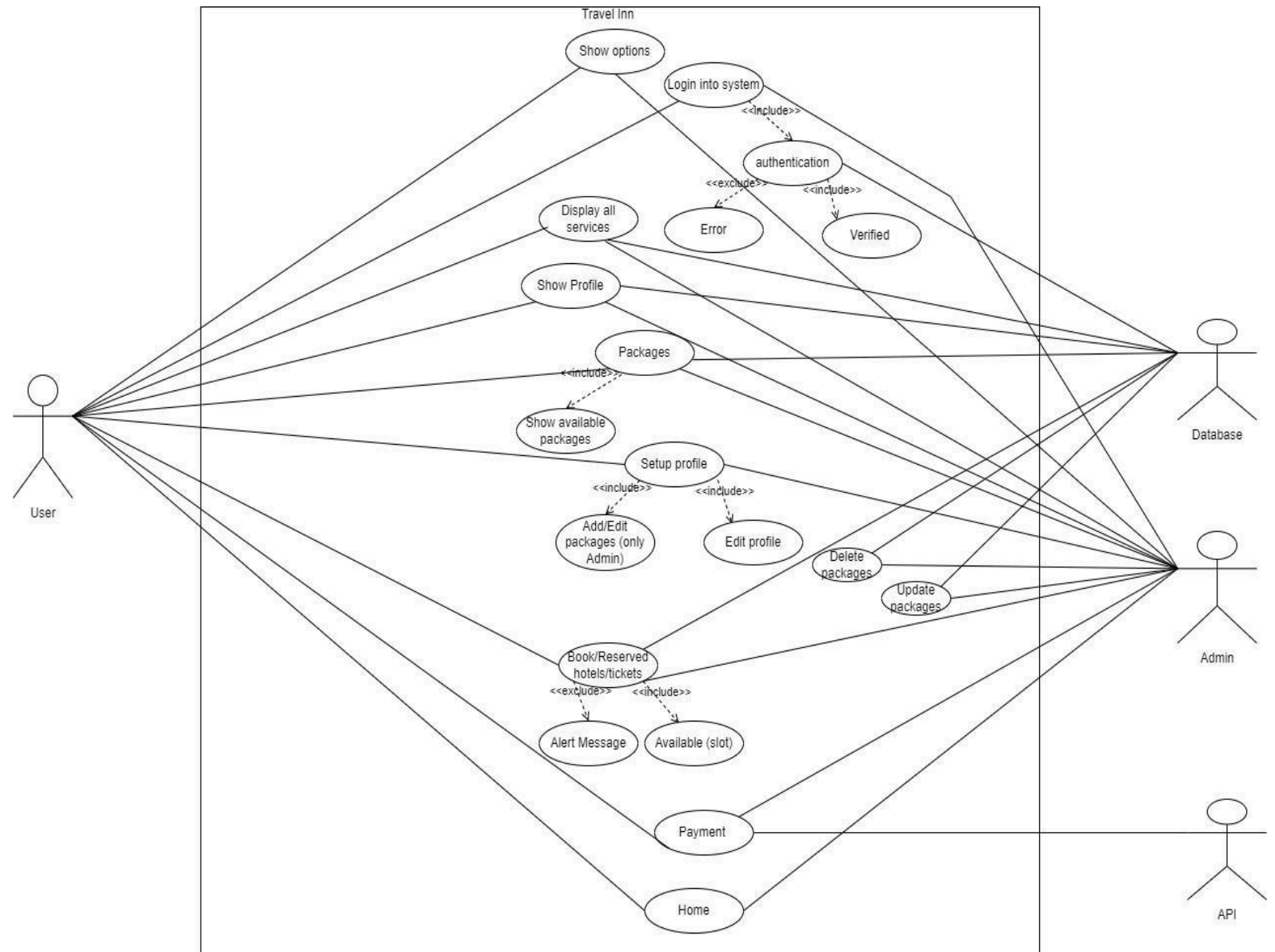


## DFD Diagram (level-2)





## Use-case Diagram



### Textual Use Case

Use case ID	HB3075
Use case Name	Login to the system
Primary Actor	Admin, User
Secondary Actor	Database, API
Basic Flow	This use case allows to login to the system to avail all the services i.e booking and travel.

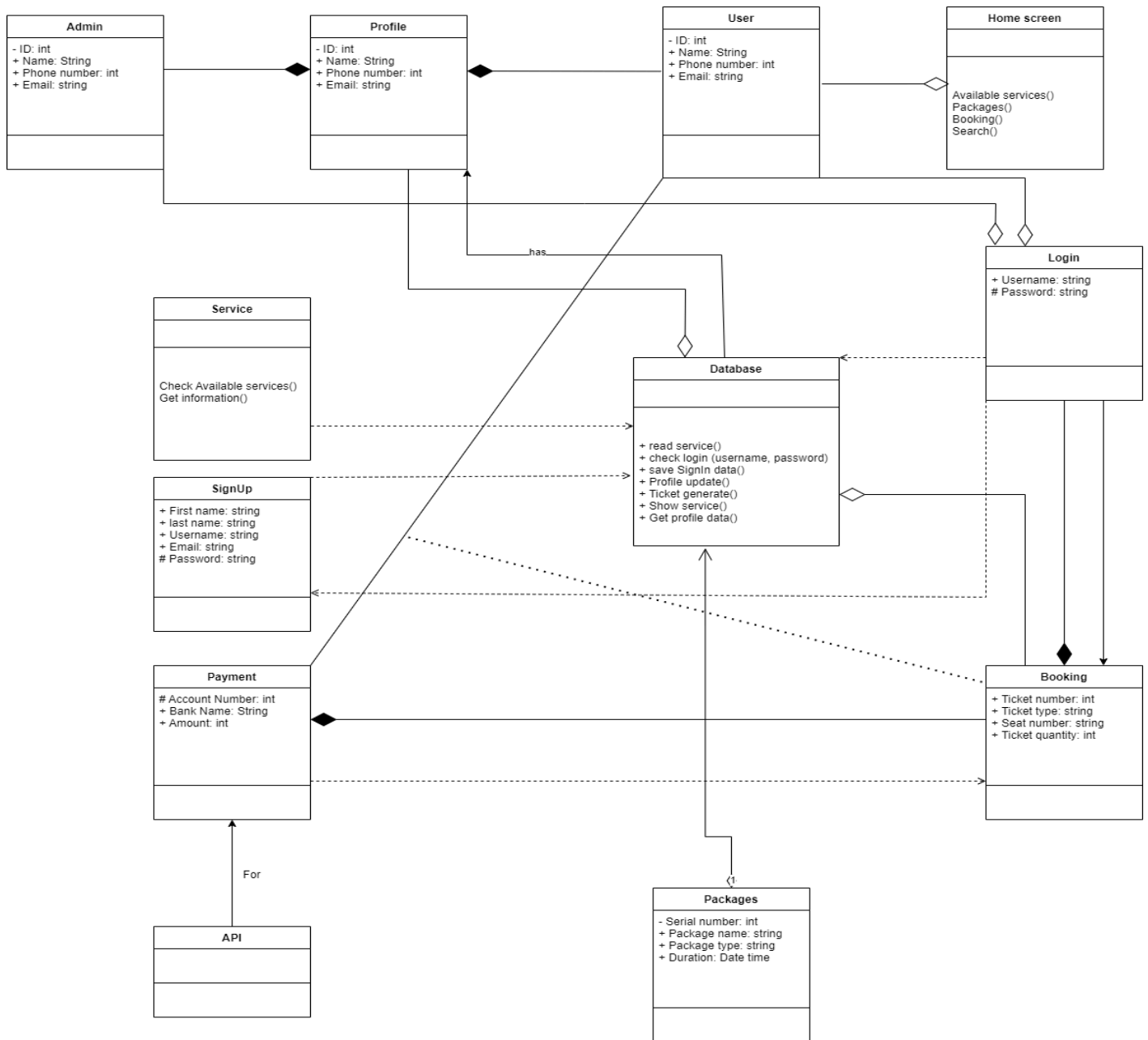
### Middleweight Textual Use Cases

Use case ID	HB3075
Use case Name	Login to the system
Primary Actor	Admin, User
Secondary Actor	Database, API
Basic Flow	This use case allows to login to the system to avail all the services i.e booking and travel.
Alternative Flow	Not applicable

### Heavyweight Textual Use Case

Use case ID	HB3075
Use case Name	Login to the system
Primary Actor	Admin, User
Secondary Actor	Database, API
Basic Flow	This use case allows to login to the system to avail all the services i.e booking and travel.
Pre-condition 1	<ul style="list-style-type: none"><li>• If you have account, then you need to login</li><li>• If you don't have account, then you need to sign up.</li></ul>
Pre-condition 2	<ul style="list-style-type: none"><li>• After login/signup system show all services.</li></ul>
Alternative Flow	Not applicable

## Class Diagram



Sequence Diagram

