**Airplane online booking System**

***Software requirement specification (SRS)***

**1.**Group Github repository

https://github.com/HenokElias1567/airline-flight-booking-system.git

**2**.Use case diagram

**Airline Flight Booking System: Use Case Description**

**Use case Number: 1**

**Name**

**View Reservation**

**Brief description**

This use case allows the admin/passenger to View flight reservation in the system

**Actors**

Admin/ Passenger

**Preconditions:- admin must have logged in to the system**

**-passenger must have booked the flight and got conformation number**

**Flows of events**

**• Basic Flows**

**1.1.0 View Reservation**

Step

User Actions

System Actions

1

The admin/passenger calls the view reservation command.

The system displays the text box to get flight conformation number.

2

The admin/passenger fill out flight conformation number and requests for flight details

The system validate the conformation number and verifies that if there is flight reservation associated with that number, then system display flight details along with cancel flight button in case of success and fail message if conformation number does not exist.

**Postconditions:**

**Business Rules: -** Unique conformation number.

-Conformation number must be 10 alphanumeric character in length

**Use case Number: 2**

**Name**

**Cancel Reservation**

**Brief description**

This use case allows the admin/passenger to Cancel flight reservation in the system

**Actors**

Admin/ Passenger

**Preconditions:- admin must have logged in to the system**

**-passenger must have booked the flight and got conformation number**

**Flows of events**

**Basic Flows**

**2.1.0 Cancel Reservation**

Step

User Actions

System Actions

1

The admin/passenger calls the view reservation command.

The system displays the text box to get flight conformation number.

2

The admin/passenger fill out flight conformation number and requests for flight details

The system validate the conformation number and verifies that if there is flight reservation associated with that number, then system display flight details along with cancel flight button in case of success and fail message if conformation number does not exist.

The admin/passenger click Cancel flight button

The system validate weather the user intended to cancel flight or not by displaying dialog box to the user.

The admin/passenger confirm the intention

The system delete passengers reservation for that flight

**Postconditions:** The booked flight is deleted from the system

**Business Rules: -** Unique conformation number.

-Conformation number must be 10 alphanumeric character in length

**• Supplementary specification**

A supplementary specification captures the system requirements that are not readily captured in the use cases of the use-case model. It gives a general additional idea about the nonfunctional requirements and features such as Usability Reliability performance and all other features.

**Usability**

The online flight booking is a user-friendly system. In order to use the system, the user no need to train the software can guides him what he need to do. Our web app give for our passenger can give him better information.so the user can easily understand the app easily.

**Reliability**

Our system is consistent, could function very well and trusted.

**Performance**

Our system is compatible with any operating system. The tasks performed real fast, like less than 3 seconds to execute. It allows to multiple users to access with out being the system down.

**5.Glossarly**

It is problem domain term

**Booking a flight** – is the order of reservation of seat for flight.

**Flight** – travelling using airplanes

**Departure time**- it is the time at which flight starts or when the plane start leaving

**Boarding time-**the time at which check in starts

**Arrival time** - it is the time at which the lane start landing to its destination