

**COEN 6312**

**Model Driven Software Engineering**

**Project Team**

|  |  |
| --- | --- |
| Name | ID No. |
| **Ganesh Santhar** | **40010625** |
| BhanuPrakash Ramineni | 27107838 |
| Jithin James | 27420854 |
| Rambabu Kunchala | 27262957 |
| Rakhi Ubriani | 27396333 |
|  |  |

# Introduction

## Purpose

The Purpose of this document is to analyze the domain Flight Reservation System and to define requirements of the system.

## Scope

The scope of this document resides in analyzing the domain Flight Reservation in relation to user interaction. It also derives user requirements and system requirements based on use case scheme.

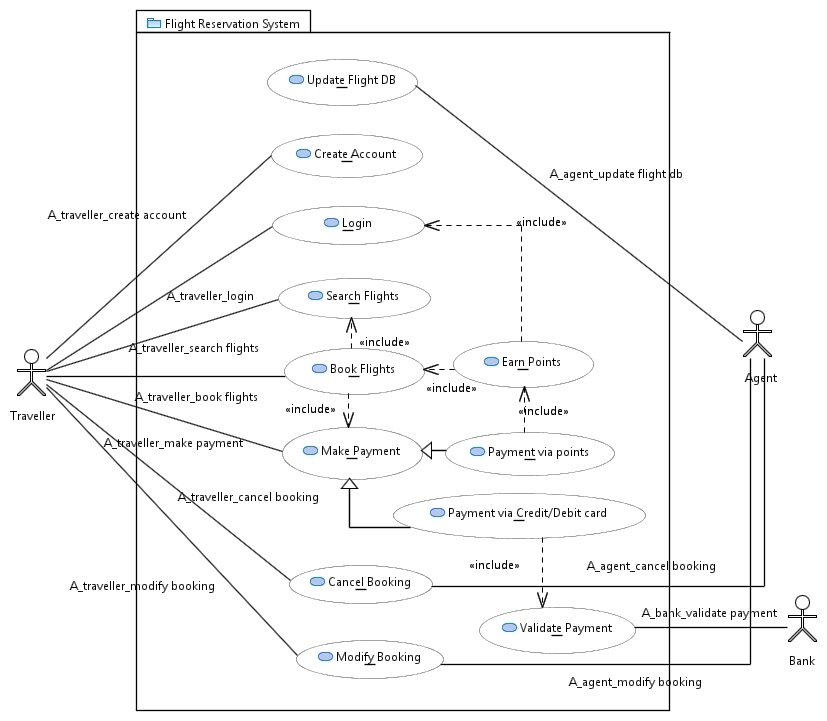
## General Description

The domain Flight Reservation System enables a Traveler to book flights online. It provides a sophisticated interface for the user to do the same. A Traveler will be able to search Flights based on various criteria namely domestic or International travel, one way or Round Trip, source, destination, date of travel. Upon Flight selection it allows the traveler to book their flights with online payment facility. The traveler will have two types of online payment one through Credit/Debit card payment and second through Points payment. The system completes the bank payment with a validation from the networked bank systems. Once the booking is completed, the user can cancel booking and make changes to the booking like changing seats and adding extra baggage for the travel but this can be done only 4 hours prior to the travel. An Agent from our system will assist the Traveler in making changes to their booking.

# User Requirements

In this section we will analyze the domain in reference to different User Interactions. The system has 3 actors who interacts with the system. The scheme below displays the user Interactions with the system

## Use Case Scheme

****

## Use Case Details

|  |  |
| --- | --- |
| Use case ID | UC 001 |
| Name |  |
| Actors |  |
| Description |  |
| Preconditions |  |
| Basic Flow |  |
| Post Conditions |  |
| Alternative Flow |  |

# System Requirements

## Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| SL No | Requirement ID | Description | Use case ID |
| 1. | FR001 | The System shall |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## Nonfunctional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| SL No | Requirement ID | Description | Use case ID |
| 1 | NFR001 | The System shall |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |