**Air Ticket Reservation System**

Design Document

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**AbstracT**

This document contains high-level requirements analysis, High-level presentation of the data model & Architecture diagrams describing the composition and working of the system, component diagrams and Mock UI Screens that communicates how the user will interact with the application.

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# High Level Requirements Analysis

A single page web application is needed that will consume RESTful web services so that customers can easily search flights and reserve tickets, cancel reserved tickets or choose seat & get boarding pass before 48 hours of flight. RESTful web services will promote re-usability that the same services can be consumed from a mobile app client.

Ticket reservation confirmation will be notified via email. Customers will also be notified in case airline staff decides to cancel the flight or a specific ticket.

# High Level presentation of the data model

[ER Diagram](references/ERDDiagram.png)

# Architecture & Component diagrams

This section of the document provide Deployment & Architecture diagrams describing the composition and working of the system, explaining the component interaction and process, control and data flows.

[Component Diagram](references/ComponentDiagram.png)

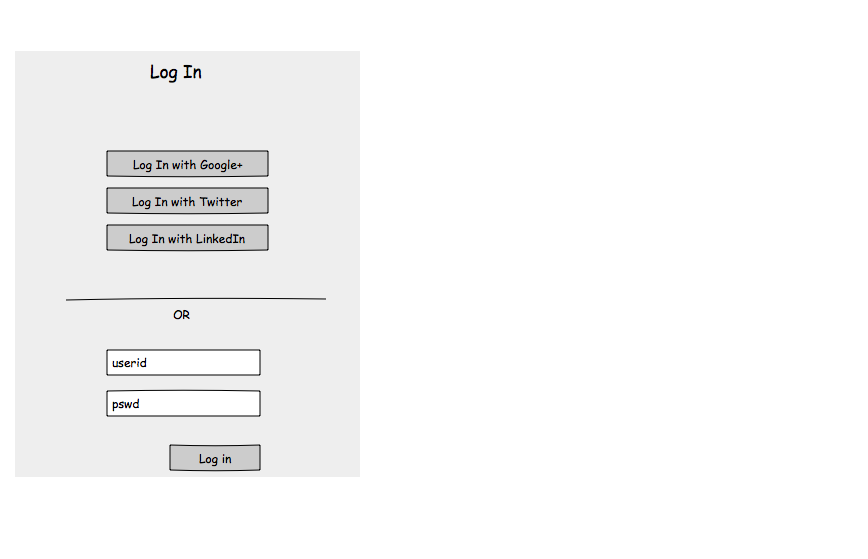
[Class Diagram](references/ClassDiagram.png)

[Deployment Diagram](references/DeploymentDiagram.png)

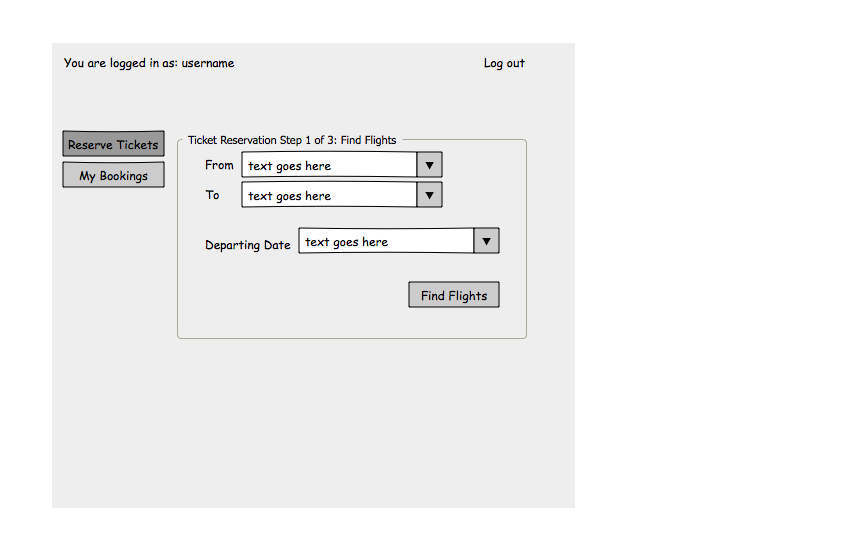
# Mock UI Screens

This section of the document provides Mock UI screens and how they are connected through user interactions with those screens

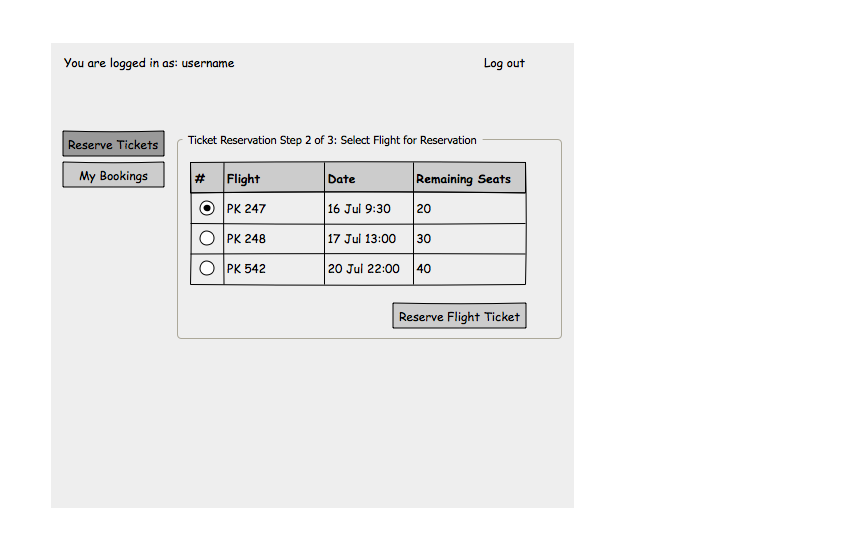
## LoginScreen



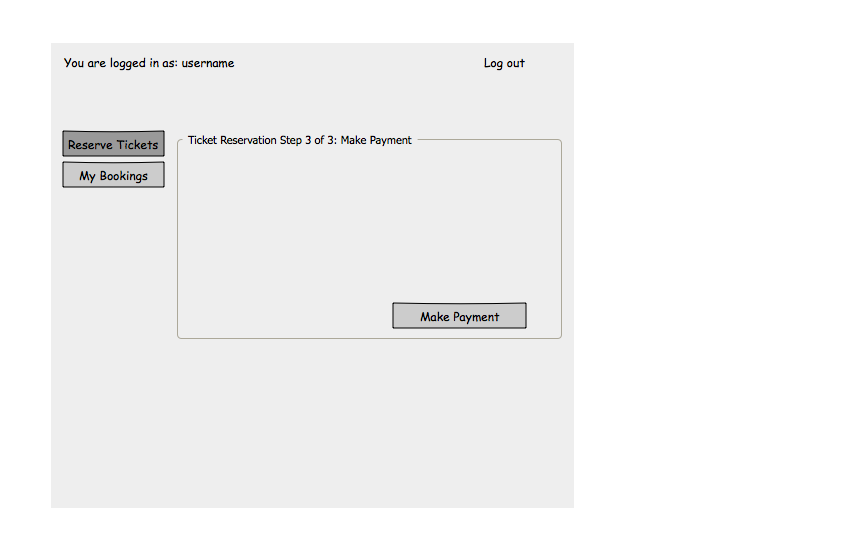
## Customer Find Flight Screen



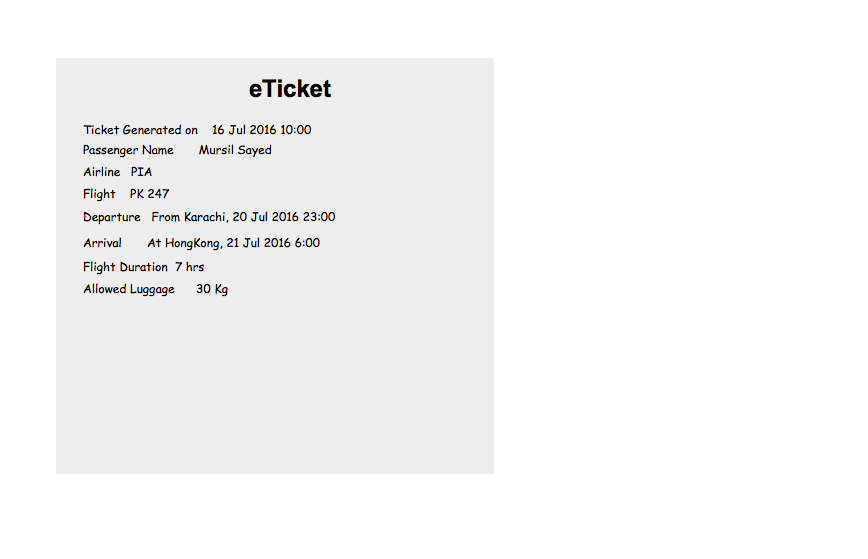
## Customer Select Flight for Reservation



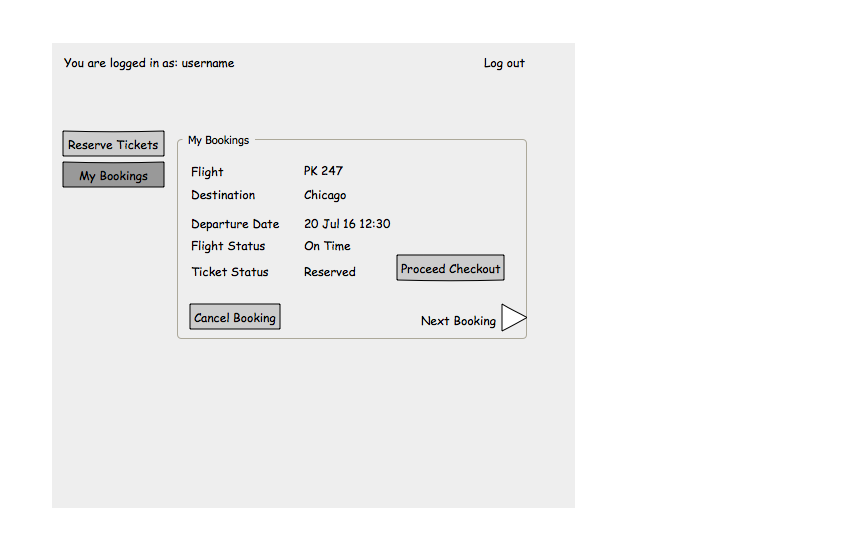
## Customer Make Payment for Reservation



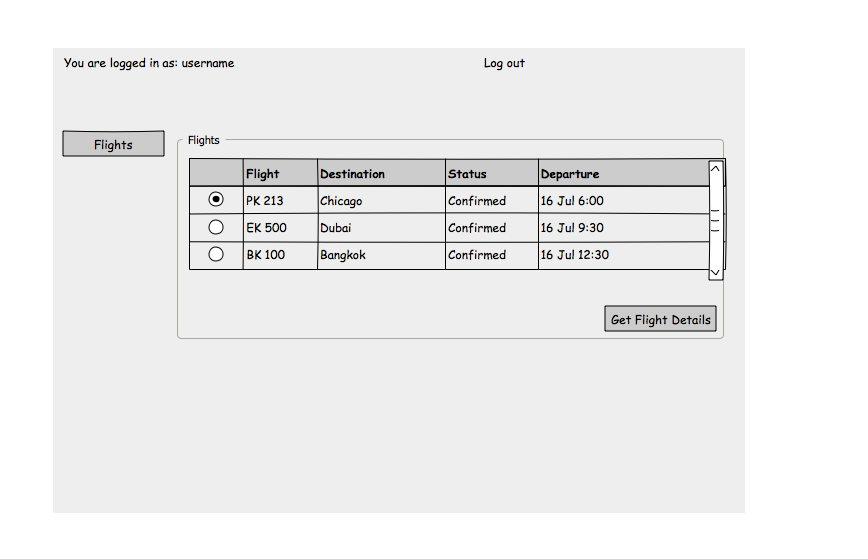
## Customer eTicket received via email



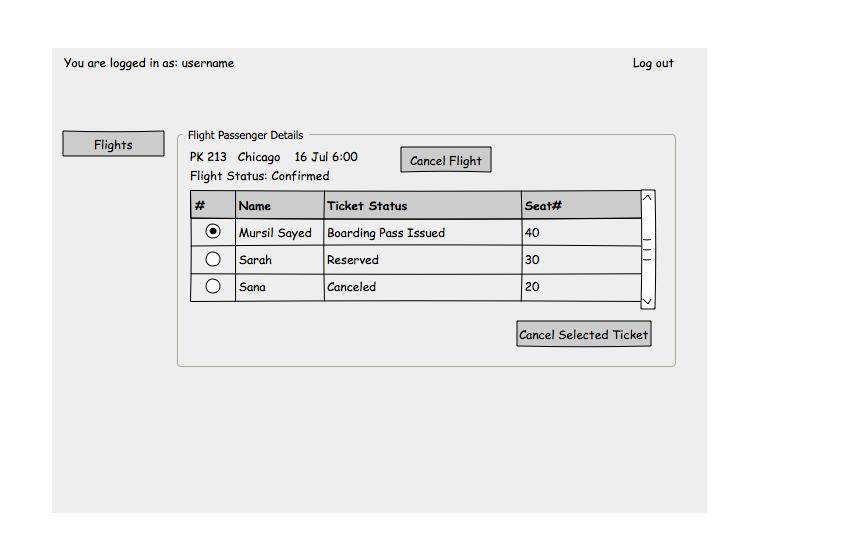
## Customer My Bookings Screen



## Staff Portal Home Screen



## Staff Portal Flight Passenger Details



## Staff Portal Flight Ticket Details

