November 19, 2016

Steve Jia

avian limited

Purdue University Northwest

unit implementation assignment

for java air

**Change Log**

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| --- | --- | --- | --- |
| **Version** | **Author** | **Date** | **Change Description** |
| 1.0.0 | Steve Jia | 2016-11-19 | Initial Creation |

**Implementation Status**

|  |  |  |
| --- | --- | --- |
| **Unit** | **Coder** | **Status** |
| Menu GUI / Behavior | Amy, Steve | Done |
| Login / Sign-up | Amy, Steve | Done |
| Account Info / View Reservation / Rewards | Amy, Steve | Done |
| Flight Search | Amy, Rui, Steve | Done |
| Reservations / Passenger Info / Payments | Rui, Steve | Done |
| Check-in | Amy, Steve | Done |
| Flight Status | Steve | Done |
| Employee Maintenance | Yuwei, Guoyu | In Progress |
| Database Creation / Initial Data Insertion | Matt, Steve | Done |
| Help Document / Help Button Behavior | Amy, Yuwei, Guoyu | Done |
| Testing Classes | Xu, Yuwei, Matt, Guoyu | In Progress |

# Introduction

This document is for assigning Java Air code base units to each team member for implementation. Each team member should take responsibility to implement their part of the code base in order for the project to be completed on time. Each team member should contribute during the implementation and help other team members if the need arises. Members assigned together in a group either have similar objectives and/or have similar programming skills in Java.

All team members must document their implementations, changes, and issues to the code base by using git. The github page is used for managing changes, tracking issues, and documenting contributions. If there are any questions or concerns regarding using git or implementing the code base, the team member must communicate with the project manager Steve Jia, or the configuration manager Amy Erxleben.

# Terms Definition

In this document, three main terms will be referred to when talking about the code base.

* View: another term for GUI; a view is a unit that a user would see
* Controller: accepts inputs and converts it to commands for the model or view
* Model: directly manages the data, logic, and rules of the application

# Unit Implementation Assignment

## Assignment for Amy Erxleben

Amy will be responsible for the following code base units:

* GUI: Menu Bar [*java\_air.main.***MenuBannerPanel.java**]
* GUI: Home [*java\_air.main*.**HomePanel.java**]
* GUI: Registration Confirmation [*java\_air.main*.**AccountConfirmationPanel.java**]
* GUI: Account Landing [*java\_air.main*.**AccountWelcomePanel.java**]
* GUI: Reservation Check In [*java\_air.main*.**CheckInPanel.java**]
* GUI: Flight Search [*java\_air.main*.**FlightSearchPanel.java**]
* GUI: Flight Search Result [*java\_air.main*.**FlightResultsPanel.java**]
* GUI: Login Landing [*java\_air.main*.**LoginLandingPanel.java**]
* GUI: Password Reset [*java\_air.main*.**PasswordResetPanel.java**]
* GUI: Customer Sign-up [*java\_air.main*.**RegistrationPanel.java**]
* GUI: Reservations View [*java\_air.main*.**ReservationScrollPanel.java**]
* GUI: Reservation Detail [*java\_air.main*.**ReservationInfoPanel.java**]
* GUI: Rewards [*java\_air.main*.**RewardsPanel.java**]

## Assignment for Rui Zhang

Rui will be responsible for the following code base units:

* Organize classes into proper packages
* Controller: [*java\_air.database*.**FlightQueryBuilder.java**]
* GUI: Flight Search [*java\_air.panel.flight*.**BookTravelPanel.java**]
* GUI: Flight Detail [*java\_air.panel.flight.***FlightInfoPanel.java**]
* GUI: Flight Results [*java\_air.panel.flight.***FlightResultPanel.java**]
* GUI: Billing Container [*java\_air.panel.reservation*.**ReservationBillInformationPanel.java**]
* GUI: Billing Detail [*java\_air.panel.reservation*.**ReservationBillInformDetailPanel.java**]
* GUI: Reservation Confirmation Container [*java\_air.panel.reservation*.**ReservationConfirmationPanel.java**]
* GUI: Reservation Confirmation [*java\_air.panel.reservation*.**ReservationConfirmDetailPanel.java**]
* GUI: Reservation Summary One-way [*java\_air.panel.reservation*.**ReservationOneWayDetailPanel.java**]
* GUI: Reservation Container [*java\_air.panel.reservation*.**ReservationPanel.java**]
* GUI: Passenger Container [*java\_air.panel.reservation*.**ReservationPassengerPanel.java**]
* GUI: Passenger Detail [*java\_air.panel.reservation*.**ReservationPassengerDetailPanel.java**]
* GUI: Reservation Summary Round-Trip [*java\_air.panel.reservation*.**ReservationRoundTripDetailPanel.java**]
* GUI: Passenger Input [*java\_air.panel.reservation*.**ReservationSinglePassengerPanel.java**]
* GUI: Confirmation Passenger [*java\_air.panel.reservation*.**ReservationSinglePassengerConfirmPanel.java**]
* Model: [*java\_air.panel.reservation*.**TextPrompt.java**]
* Model: [*java\_air.panel.reservation*.**PriceCalculator.java**]

## Assignment for Steve Jia

Steve will be responsible for the following code base units:

* Controller: [*java\_air.database*.**DataClient.java**]
* GUI: About [*java\_air.main*.**AboutPanel.java**]
* Model: [*java\_air.main*.**Aircraft.java**]
* Model: [*java\_air.main*.**Customer.java**]
* Controller: [*java\_air.main*.**ComboBoxRenderer.java**]
* Controller: [*java\_air.main*.**DataLabelFormatter.java**]
* Model: [*java\_air.main*.**Employee.java**]
* Model: [*java\_air.main*.**Flight.java**]
* Model: [*java\_air.main*.**Global.java**]
* Model/Controller: [*java\_air.main*.**JavaAirApp.java**]
* Model: [*java\_air.main*.**Customer.java**]
* Model: [*java\_air.panel.reservation*.**Reservation.java**]
* GUI: Flights Status [*java\_air.main*.**FlightStatusPanel.java**]
* All database insert/update integration code
* All GUI controller code
* GUI exchange/menu buttons behavior code
* User input-check code

## Assignment for Matt Moscatel and Xu Wu

Matt and Xu will be responsible for the following code base units:

* Database design
* Test: [**AccountConfirmationPanelTest.java**]
* Test: [**AircraftTest.java**]
* Test: [**CustomerTest.java**]
* Test: [**FlightSearchTest.java**]
* Other testing classes

## Assignment for Yuwei Cao and Guoyu Qi

Yuwei and Guoyu will be responsible for the following code base units:

* Assist Matt and Xu in developing test classes
* Help button behavior in [**MenuBannerPanel.java**]
* GUI: [*java\_air.main*.**MaintainListFrame.java**]
* Test: [**MaintainListTest.java**]
* Other testing classes