Construction Phases

Iteration one (Ended 02/05/2015)

* Created the basic structure of the system that includes the main boundary class that the user will interact with, the controller class that will coordinate all interactions between the entity classes and the interface class, and the user entity class that enables users to login and signup to the system.
* Implemented the login functionality
* Created the following classes:
  + userInteraction package:
    - UserController.java
    - UserEntity.java
    - UserInterface.java
  + role package:
    - Role.java
    - AbstractCustomerRole.java
    - CustomerRole.java
    - TravelAgencyRole.java
    - RoleFactory.java
  + Main file:
    - FlightManagementSystem.java
  + Database files:
    - userAccount.csv
* We tested the main interface of the system by running the program and comparing the program’s output against the expected output.
* To test the login functionality, we created test login details in the database (because signup functionality is not implemented yet) and we tried logging into the system with the same login details.

Iteration two (Ended 09/05/2015)

* Finished the skeleton of all the role classes and the options that will be offered by each role. These options are just text strings that are used to build the main menu for users of that particular role and do not refer to actual system functionality.
* Changed Role.java from an interface to an abstract class to allow subclasses to have a common method to create the main menu.
* Implemented the logout functionality
* Implemented the signup functionality
* Created the following classes:
  + role package:
    - FlightManagerRole.java
    - ProfileSystemManagerRole.java
    - ReportingSystemManagerRole.java
    - ReservationSystemManagerRole.java
    - ServiceSystemManagerRole.java
    - SystemAdministratorRole.java
  + helpers package:
    - UserLoginDetails.java
  + entities package:
    - WatchAndNoFlyList.java
  + Database files:
    - userDetail.csv
* We tested the individual role classes by creating test login details in the database for each role. Then we tried logging into the system with the same login details for each particular role.
* We tested the signup functionality by just performing the actions described in the Signup use case. Then we tried to login to the system using the newly created details.
* We tested the logout functionality by choosing the logout option from the main menu.

Summarize the new elements added and the extensions to existing implementation elements. Include brief details of unit testing procedures used to verify new elements prior to their commitment to the project (this does not mean list unit test code and test outputs, simply identify the additional tests created by individual implementers).

o Summarize data from defect and integration reports created by the systems integrator.