FIT5171 Assignment 1
Airline Reservation System

2023

1. Assessment

This assignment carries **10 marks**. The assessment will be based on the submitted files as well as a demo/interview conducted in-tutorial in week 5.

1.1 Submission

You will need to submit a test plan report and the project setup, contained in **a single .zip file**, to Moodle. Other file types are not accepted for submission.

Only one member from each group needs to submit the file. All the team members need to go on moodle and click submit to accept the submission. In your submission, clearly indicate contribution made by all the team members.

1.2 Test Plan document
The report will include following parts:
(1) testing objective,
(2) scope of testing,
(3) approach (including any assumption/constraints, software requirements to be tested, testing tools),
(4) test plan (including testing team and test environment) and
(5) testing procedure (including test execution and unit test cases). You should document test cases in a tabular form (check the format in **Week 2 lecture**).

The report should not exceed **4 pages** in length.

1.3 Project set up and testing requirements

1. Maven project: We have provided Java files with no project structure. You need to create a maven project and import these files into correct location.
2. BuyTicket and ChooseTicket are required to be combined into one class. You can call this call TicketSystem.
3. Write code on any five test cases you created in the report. Test cases should test different constraints.

1.4 Demo

Each group will also need to give a code walkthrough to a TA, showing your understanding of the code, and your test plan. All the team members will be interviewed. All the team members are required to attend the same tutorial during week 5. Please inform all the concerned TAs how you plan to attend week 5 tutorial.

1.5 Assessment Breakdown

5 marks - Testing documentation.

This part of the report should be concise: it should not exceed **4 pages** in length.

5 marks - Setup and testing

You need to show that you have successfully set up the local working environment and have developed some test cases.

Your report can contain screenshots showing that your setup is successful. If you ran into problems setting up the environment, your report should briefly document the problem and the status of the setup as an appendix.