

CS4092: Project 4 Outline (10%) - Flight Manager (version 2)

In Project 3 the interaction to your application was via the command-line. For Project 4 you are expected to provide the same functionality as Project 3 however, your application should now be menu-driven (you may use dialog boxes or interaction with your application can be via a text-based menu displayed in the console window). Your solution should also be object oriented. In addition, you are required to extend the functionality so that the user can add details of a flight (as in Project 3 there should only be one entry in the file Flights.txt for a particular Flight number).

Finally, you are required to maintain a diary that lists the changes made to your code for Project 3 in deriving your solution to Project 4. The structure of your diary should be as follows:

Date	Changes	Performed by

You are expected to (i) validate user input and (ii) make appropriate use of methods. In addition, your code should not undertake any unnecessary comparisons and files should be maintained in the order specified here. The file Airports.txt should be maintained in ascending sequence on airport name. The file Flights.txt should be maintained in ascending sequence on Flight number.

You are required to document your source code such that the input to, the processing performed by and the output from each programmer-defined method is detailed.

State clearly any assumptions you make.

Deadline for Submission

All material must be submitted by 16h00 on Tuesday April 18, 2017. Please refer to the document titled CS4092: Project Submission Documentation for specific deliverable instructions. Your data files and your diary should be emailed at the time of emailing your source code.
