

Airline Seat Reservation Service

Project background :

Number of people per team: 4

Duration of the project: 10 days + 1 day defence

Topic:

The aim of this project is to create a service that will allow the user to see how full a plane is and to be able to book or cancel seats on it.

Several planes can be managed simultaneously.

The data will be saved in a database (sqlite).

The database will be managed through a web service.

A graphical interface will allow the list of aircraft to be viewed. When an aircraft is selected, all the seats of the aircraft and their status (available or occupied) will be graphically displayed.

From this graphical interface, you will be able to book a seat, by giving your name and surname.

Bonus:

- When booking, you will generate the boarding ticket.
- Management of flights with stopovers.
- Airline interface to create flights in the DB through the web service.

Organisation of the presentation :

- Introduction on the need / Functional presentation of the product (demonstration)
- Global architecture of the project (Design pattern, Framework used, languages) with a justification of this choice.
- Class diagram.
- Flow diagram ([link](#))
- Testing methodology and technology used (Unit tests, etc.).
- Computer tools for teamwork (Git, etc.).
- Difficulties encountered
- Self-evaluation (+/- points and what you would have changed if you had to do it again) and conclusion

In order to best present the above points, you will prepare a powerpoint in English.

20 minutes for Presentation + 10 minutes for Questions