

System requirements

Functional

1. An administrator should be able to add airports to the system. While adding a new airport, the administrator has to specify the code, name, city, postcode, country, number of gates.
2. An administrator should be able to add airplanes to the system. While adding a new plane, the administrator has to specify the number, model, number of seats.
3. An administrator should be able to add crew members to the system. While adding a new crew member, the administrator has to specify the name, position, address, birthdate, id, phone number, e-mail.
4. An administrator should be able to add flights to the system. While adding a new flight, the administrator has to specify the number, departure time, arrival time, departure place, arrival place, plane, crew, price.
5. A customer booking a flight should specify all of the following: name, birthdate, nationality, type of ID, ID number, expiration date.
6. A head administrator should be able to delete data from the system.
7. A head administrator should be able to cancel flights.
8. An administrator should be able to change data for club members, crew, flights, airplanes and airports.
9. A customer should be able to choose a seat number, luggage size, payment method in order to book a ticket.
10. A customer should be able to select departure and destination airport and the departure and return date (or departure only) for flights in order to get the available flights.
11. An administrator should be able to get a list of all flights, airports, airplanes, crew and club members.
12. An administrator should be able to set the annual fee for club members.
13. A customer should receive the ticket via email.
14. A customer should be able to become a club member in order to get discounts.
15. A club member should be able to search only for cheap flights from his/her city.
16. A customer should be able to subscribe to the newsletter in order to receive new information regarding flights and offers via email.
17. An administrator should be able to log in the system in order to manage data.
18. A head administrator should be able to see the profiles of all administrators.
19. A head administrator should be able to create or delete an administrator account in order to ease the management of accounts.

Non-functional

- 20. The system has to use the client-server architecture.
- 21. The system has to store persistent data using a database.
- 22. The system has to have a GUI.
- 23. The system has to be implemented in Java.
- 24. The system and the system development process have to be documented.