

Functional Requirements

Website Pages

- All the pages

Databases

- Create the tables/databases

Flight catalogue

- users browse the catalogue or use the search filter to look for flights
- takes data out of the Flights Table in the Airline Database

Users, Login/Authentication

- login/register
- logout
- form to fill out with basic user information
- profile page
- edit profile page
- account balance (way to fake manage payment? idk)
- booked flights
- user can cancel any flights they have already booked
- cancelling a flight, deletes their information off of tickets and clears their seating in the seating table
- other stuff idk

Flight Booking

- User fills out form, with basic information
- a dropdown button, listing all seats
- seats are shown to be either booked or available, (seats are taken from the seating database, The System knows which Plane to use to map out available seats based on which flight the user initially clicked on from the catalogue. The Plane Table stores basic information about the plane and sets up the calculations for the seating availability in the seating Table, where seating information about the plane will be stored)(idk maybe change)
- After user fills in necessary information they receive confirmation message
- also a msg that fees have been added to users account balance
- seating tables are updated, and chosen seat will now show up as booked
- Users are able to view their ticket information on their dashboard
- when flight is finished or landed/cancelled, the flight is deleted off of tables, tickets for the flight deleted, and seating is cleared

Admin

- admin login/logout page
- admin dashboard
- idk just admin stuff, can change edit add do everything

Possible Cite map??

- Homepage
 - login/register
 - Flight catalogue
 - flight detail page
 - book flight -> login/register -> user profile
- User dashboard
 - user profile
 - other stuff maybe?
 - booked flights
 - flight catalog
 - flight detail page
 - book flight form page
- admin dashboard
 - admin stuff
- FAQ

Can be all in one database? or could separate or could separate them and have multiple db idk

Flights

- flightNumber (pk)
- Departure
- destination
- Departure time
- Arrival Time
- Date
- planeNumber (fkey)

Plane

- planeNumber (pk)
- model
- Airlines
- rows
- seating
- total_seats

Seating Table (seating table done dynamically/automated maybe so We dont have to manually insert seats? based on the plane table)

- seatID (pk)
- seatNumber (fkey/or possibly pk?)
- PlaneNumber (fkey)
- etc..

Tickets

ticketNumber (pk)
Name (fkey)
flightNumber (fkey)
seatNumber (fkey)
class
terminal
etc..

Users

user id (pk)
name
etc.