Airline Thingy

# Project Description

Our project will be an airline flight tracker where customers can view and reserve flights and airline associates can manage those flights.

# Non-Functional Requirements

We plan to log all the actions of all users. For admins this means editing, adding, removing flights and users. For airline associates this means the same thing but only for flight data. For customer users this means tracking their searches, the flights they look at, and the tickets they reserve.

We will set up a mongo cluster with data redundancy to ensure we don’t lose data.

# Functional Requirements

We want to have user authentication, a customer user can view and reserve flights, an airline associate can edit, add, and remove flight data for their airline, an Admin can edit add and remove users and airline information. There will be trips, a trip is composed of multiple flights. Flights have an origin and a destination, and a miriad of other information. A user can search for specific flights or browse a list of them all, they can select a specific flight to look at it’s details and to reserve a ticket. Stretch: The user can input origin and destination and we will find the combination of flights to get them there most efficiently. Stretch 2: We want to get in depth with generating ticket prices and altering them based on user cookies and behavior.

Week 1:

Form group and get our foundation planning done

Week 2:

We want to be able to add, remove and update flights with gui

This means the admin and associate dashboards should be ready by this point

Week 3:

We want flight searching

We want authentication and user accounts along with most of the frontend complete

Week 4:

Wrapup and Bugfix

Week 5:

Bugfix week