Project

I. Create accounts of users; login, logout.

II. **User functionality**
  [] let people search for flights
        [] one way
        [] round-trip
        [] flexible date/time
  [] sort flights by different criteria (price, take-off time, landing time)
  [] filter the list of flights by various criteria (price, number of stops, airline)
  [] let customers make flight reservations
  [] let customers cancel their flight reservations (if it is business or first class)
  [] let customer enter the waiting list if the flight is full
  [] a user should be able to:
        [] view all the past reservations with their details
        [] view all the upcoming reservations with their details

III. **Admin/Customer Representative**

  [] Admin (create an admin account ahead of time)
        [] Add, Edit and Delete information for a customer representative or customer
        [] Obtain a sales report for a particular month
        [] Produce a list of reservations by flight number or by customer name
        [] Produce a summary listing of revenue generated by a particular flight, airline, or
        customer
        [] Find out which customer generated most total revenue
        [] Produce a list of most active flights (most tickets sold)
        [] Produce a list of all flights for a given airport
  [] Customer representative
        [] Make flight reservations on behalf of users
        [] Edit flight reservations for a customer
        [] Add, Edit, Delete information for
              [] aircrafts
              [] airports
              [] flights
        [] retrieve a list of all the passengers who are on the waiting list of a particular flight

Login Page
    Redirects to Page based on user type
        If User: User homepage
        If Admin: Admin homepage
        If CustomerRep: Rep Homepage

User:
    User Homepage - has links to other stuff for user
        Link to Search page
        Link to Reservations/Waitlist queues

    Flights Search Page - user inputs info to search
        Select by Flight Type (1way or round)
        or Select by Take off Time(Range), Land Time (Range)
        or Select by FlightID
    Flights Result - show results from a search
        Sort by Price, Take off, Land time
        Default Sort: <>
        Filter by Price(Range), Num Stops(Range)
        Filter by Airline
        Click a flight to see flight info
    Flight Info - Show info on a single flight - may be a completed or future flight
        make reservation / join waitlist if future flight
            if customer rep or admin, also input a customer id
        show number of stops
            clickable to see all the stops
                shows start and end airport
        show start & end airports
            clickable to see airport info
        show flight ID
        show airline
            clickable to see airline info
        show price
        show take off & land time
        admin button for admin or rep
    Airport
        show airport ID
        show airport location
        admin button for admin or rep
    Reservations/WaitQueues - shows reservations and waitlists for customer
        sorted by date
        has button to show past reservations
            shows only upcoming by default
        reservation/wait can be clicked to see reservation/wait info page
    Reservation/Wait Info - shows info on a selected reservation/wait
        link to flight info
        show date of reservation or creation of ticket
        show ticketID
        show class
        show cost
        allow cancel

Admin:
    Admin Homepage - links to other stuff admins have access to
        Link to sales report
        Links to flight/airline/customer search (3 separate pages)

    Sales Report Search - seach a month
        Select a year, a month, redirects to Sales Report Info
    Sales Report Info - shows info on a selected month
        Show month & year
        Show profit (sum of all tickets with flights in selected month)
        Show list of flights in month
            Flight ID, Price, # of passengers
        Select a flight (Flight ID) to redirect to Flight Report Info
    Flight Report Info - info on a selected flight from sales report
        link to flight info
        Show profit from flight
        Show total # of passengers
            clickable to see all passengers (Flight Customs Report)
    Flight Customers - list of all customers from a selected flight
        Shows CustomerID
            clickable to see customer info

    Admin Flight Info - has text boxes for admin / rep to edit data
        Show Flight ID
        Show revenue
        section to fill in stop's info and add stop if admin
            has start & end airport
            has position to add into array of stops (stop# 1 is first stop)
                list of numbers from 1 to (current #stops + 1)
                    picking 1 makes this stop the first stop
            start and end airports are calculated based on first and last stop

has start & end airport
has position to add into array of stops (stop# 1 is first stop)
    list of numbers from 1 to (current #stops + 1)
    picking 1 makes this stop the first stop
start and end airports are calculated based on first and last stop
one way and round trip are calculated based on stops
Show list of stops
    Each stop can be removed or locations may be edited if admin
Show list of reservations / waits
    User ID
    Date of reserve
    Class
edit airline
    if admin
edit price
    if admin
edit take off & land time (should this be for each stop or for the whole flight?)
    if admin

Admin Airport Info
    Show ID
    ~~Show Revenue~~
    Show list of flights
        button to show completed flights
    edit name
    edit location

Admin Airline Info
    Show ID
    Show Name
    Show Revenue

Flight Search
    Search by ID
    Get all
Flights Results
    Ordered by revenue or alphabetical or #tickets sold
    Click a result to see flight info

Airline Search
    Search by ID
    Get all
Airline Results
    Ordered by revenue or alphabetical
    Click a result to see airline info

Customer Search
    Search by ID
    Get all
Customer Results
    Ordered by revenue or alphabetical
    Click to see customer info

Airport Search
    Search by ID
    Get all
Airport Results
    Ordered alphabetically
    Click to see airport info

Customer Info
    Show ID
    Show Reservations/Waits
        each shows revenue, purchase time, reservation date
        on click, shows flight info
    Show total revenue

Rep:
Rep Homepage
    Link to Flights Search Page
    Link to Customer Search Page
    Link to Airport Search