# **Airline Staffs**

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| ***Project: Airline Staffs Case Study*** | | | |
| ***S.NO*** | ***Author*** | ***Date*** | ***Version*** |
| ***1*** | ***Nasrul Bharathi J*** | ***22-Oct-2019*** | ***Initial -1*** |

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# Requirements

# Build Airline Check-In, In-Flight and ancillary management app with the following requirements.

# Airline Staff:

# Following features will be available for Airline staff while check-in and in-flight.

# Check IN:

* Select flight (from list) based on current schedule (time)
* Display flight details & seat map color coded to identify between passengers checked-in or not, passengers requiring wheel chair, passengers with infants
* Display passenger list with name, ancillary services, seat number
* Check-in passenger by select the respective seat
* Undo check-in by selecting the respective seat
* Display details of passenger like Name, Ancillary services
* Filter passengers by checked in / not, wheel chair, infant
* Change seat of passenger (through passenger list)

# In Fight:

* Display flight details & seat map color-coded to identify between passengers requiring special meals.
* Display ancillary services requested by passenger
* Add ancillary service for a passenger
* Change meal preference for a passenger
* Add in-flight shop requests for a passenger

# Admin:

* Dashboard with option to manage passengers, ancillary services per flight
* List passengers (name, ancillary services, seat number)
* Filter passengers by missing mandatory requirements (passport, address, date of birth)
* Add / Update passenger – Name, passport details, address
* Add / Update / Delete ancillary services, special meals, shopping items per flight

# Technologies

# Angular 8, Ngrx, Bootstrap, Npm, Node 10, Anguar CLI, Git , Ts Lint and Angular Material.

# Flow

* User 🡪 Register 🡪 Admin Role and Airline Staff

3.1 Admin Flow:

* Log In Screen 🡪 Dashboard with 3 tabs Passengers, Ancillary Maintenance and Flight Ancillary

3.1.1 Flight Ancillary Services:

* In Flight Ancillary component 🡪 Display Ancillary Services not Available in the flight in right side
* Left side display details of Ancillary services per flight
* Add and Delete Ancillary Services, per flight

3.1.2 Ancillary Maintenance:

* Display all the ancillary details and allow admin to add, update and delete the ancillary.

3.1.3 Passengers Service:

* List all the passengers in the table
* Filter passengers by missing mandatory requirements (passport, address, date of birth)
* Perform CRU operation in the table for mandatory details

3.2 Airline Staff:

* Log In Screen 🡪 Dashboard with check In, Passenger and In flight

3.2.1 Check IN:

* In the top choose schedule time and Flight option
* Display Flight Details in the top. Details contain in Flight table
* Display the seat structure of the flight
* When a Seat is selected the respective passenger details need to be shown
* Check In option needs to be shown
* If a particular seat is already selected then show Undo check in option

3.2.2 Passenger:

* Display passenger details
* Enable Filter option for IsCheckedIn, IsWheelChair, IsInfant
* Enable edit option for changing or swapping Seat Number

3.2.3 In Flight:

* Display flight seats code with meal special meals
* Selecting flight seats display ancillary services for a passenger
* Enable add ancillary services option to add for a passenger
* Add in flight shop request

# Data Structures

* 1. Passenger:
* Name
* Age
* Date of Birth
* Passport Number
* Flight Name
* Seat No
* Travel Date
* Ancillary\_type : Ancillary
* Wheel Chair
* IsCheckedIn
* IsHavingInfant
* Meal Preference
  1. Ancillary:
* Types

4.2.1 Types of Ancillaries:

* Special Meals
* Extra 20KG Baggage
* Extra 10KG Baggage
* Hotel Room
  1. Shopping Items:
* Perfume and Body Sprays
* Facial cleanser
* Creams
* Body or Hand Lotion
* Liquor
* Wine
* Liquid Make up
  1. Roles:
* Role\_Admin
* Role\_User
  1. User:
* Email-Id
* Username
* Password
* Category : Roles
  1. Flight:
* Name
* Ancillary Services
* Total Seats
* Shopping Items
* Start From
* Destination
* Departure date and time

# Project Outlines

* Organized the Project Structure
* Reusability of components has been done whenever possible
* Data flow has been maintained in one way
* Included additional Ts-Lint rules and used it
* Maintained Typing throughout the application
* Organized Imports and imports of Angular module, Rxjs, Material module, ngrx, model, service and components that too common at the top.
* Since backend is not there only used Services to store data.
* Login and Authentication has been done using firebase and Ngrx

# Login Procedure

* Login Authentication is done in Firebase
* Sign up can be done with any user email but they will have role of “Airline Staff”
* For Seeing Admin View log into

**Email:** [admin@gmail.com](mailto:admin@gmail.com) and

**Password: Batman@8**

* As a admin if you add any shopping items or ancillary items or meals per flight then only as a airline staff you can add ancillary items to the Passenger