Abdul Basit Syed: Team Leader and developer

Ahsan Kamal: Full stack developer

Karl Mendonca: App Innovator

(suggesting potential features and discussing implementation)

Yansong Li: Back-end developer

Satya Kumar Itekela: Front-end developer

User stories:

**Announcements (**Accessibility value)

1. User (Passenger) should be able to scan the QR code and redirected to our webapp.
2. Users (Passenger) should be able to receive announcements in the form of notifications on webapp.
3. Users (Passenger) should be able to read and listen to announcements in multiple languages.
4. User (Airport authorities) should be able to make announcement through speech or text on the admin panel. They should also be able to assign a day and time when the announcement notifications are sent to customers (play Covid guidelines periodically and change it anytime)
5. User (Airport authorities) should be able to review/edit announcement text before broadcasting or submitting the announcement.
6. Airport authorities (whoever makes the announcements) should be able to signup/login to Admin panel (Deferred)

Accessibility: Very useful for passengers with disabilities and non-native english speaking passengers

Database: MySQL (AWS RDS)

Table structure

**Airport**: id, name, location

**Announcer**: id, name, email

**Announcement: (airport\_id, announcer\_id, type, text, created\_at, updated\_at, interval (minutes) )**

Backend: Flask

React: front-end

**Research areas:**

how to send notifications on webapp using React?

How to scan QR code and redirect to a webapp?

How to integrate Google NLP API to support listening announcement in multiple lang?

**Chatbot (For some features of the Chatbot with mock data)-Contactless airport assistance.**

1. Check-in (redirect)
2. Wi-Fi connection (How can I connect with Wi-Fi?)
3. Flight status and schedule/information.
4. Baggage belt number
5. Find Current/Latest covid-19 rules/instruction and guidelines form the gov.
6. **Scenario 1- User lands and scans the QR code at the airports strategic locations and selects the chatbot feature then enters im thirsty and the chatbot options of convenience stores or restaurants/cafes then the user from the options and it will ask you what you need so the user will specify or select and then chatbot will ask for confirmation.**
7. Scenario 2 - for ordering food.
8. E-books questions: redirect to Halifax library website, aws kindle
9. Navigation help: floor, zone, major landmarks (washroom, cabins
10. Hotels/taxi

Advertisement:

* Creating an empty space at a strategic position in the web app for the advertisers so the airport can advertise that space to advertisers and generate revenue.

Chatbot(Intents, Utterances, slots, prompts, fulfilllments):