

Air Asia Hackathon



Mobile Hackathon

This app basically created for user engagement during, before and after travelling with air asia.

Idea behind this app

This app involves the latest trending topics like **IOT** and **machine learning**.

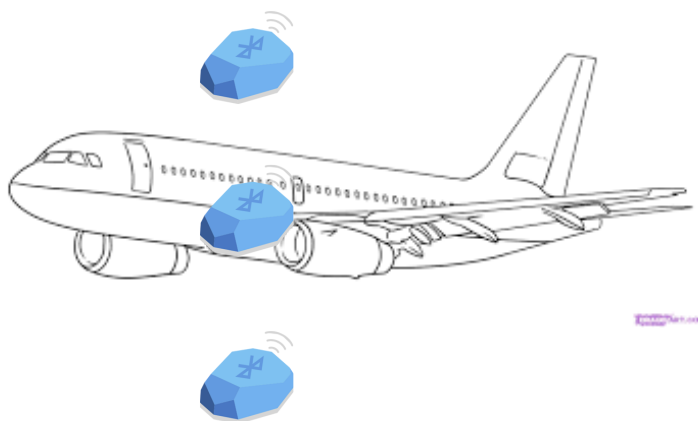
This app majorly uses technologies like Apples's BLE iBeacons and SceneKit.

User experience before travelling

The user can login to his account using his/her credentials. Once the user logs in user can see his/her personal details, trip details, flight number with innovative animations.

User experience during travelling

The app should engage majorly on this part of travelling. So in our app we are engaging user with **iBeacons** technology.



We can use multiple iBeacons here. For now we are using 3 iBeacons. One inside the door, another just outside the door and one in between. Our app is designed to be located by iBeacons. Once the user enters the flight iBeacon detects that user has entered the flight, it will take him to "During Travelling Screen" where he can locate his seat.

Here we can integrate **IOT(Internet of Things)**. Once the user selects locate my seat he can see his seat highlighted in his screen and we can implement like his selected seat light turns on or his name displays on his seat. This basically we can achieve using IOT.

Which avoids user from trouble in finding his seat.

After finding the seat user can request for services like food, water or any other service available just by clicking a button. The request will directly go to Air hostess. Since we know the user and his seat Air hostess can directly get to know to which person she has to assist.

User experience after travelling

Once the user exits from the flight again beacons detect the exit, and it shows the thank you message in the screen and also using iBeacons we can navigate him for next flight or terminal.

Machine Learning

Now using machine learning we can learn user usage pattern, like which seat he prefers, what services he raises frequently and we can suggest those in his next travel planning.

Important Note : Currently in this app I am directly taking user to home page. where I have given 3 menu to see features. But I have concentrated more on During Travelling screen. Beacon code implementation is done. so this app can detect beacons. Since we don't have beacons for demo now, I have added menu buttons here. In during Travelling screen user can see his highlighted seat. and also after travelling feature is also quite bigger I have just given a note there.