

APPROACH DETAILS:

Ministry Category: Airport Authority of India, Ministry of Civil Aviation

Problem Statement: Excessive Passenger/vehicles congestion at City-side Curb area

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Problem Code: #CA2

Current AICTE Application No.: u-0092(MHRD-AISHE)

IDEA :

The idea is to build an automated reminder system for receiver/recipients, including following points:

- Booking of waiting rooms according to priority of the passenger's flight delay.
- To patch up with the cab/bus aggregators and message them about heavy congestion when multiple flights land at the airport.
- To Pre-survey every airport so as to collect the data for making predictions applying machine learning.
- To apply machine learning for no. of passengers who don't have any recipient.
- Signboard in buses going to airport displaying real time status of every flight including the airport traffic.
- Signboard to display the current status of flights in radius of 4-5 km from the airport.

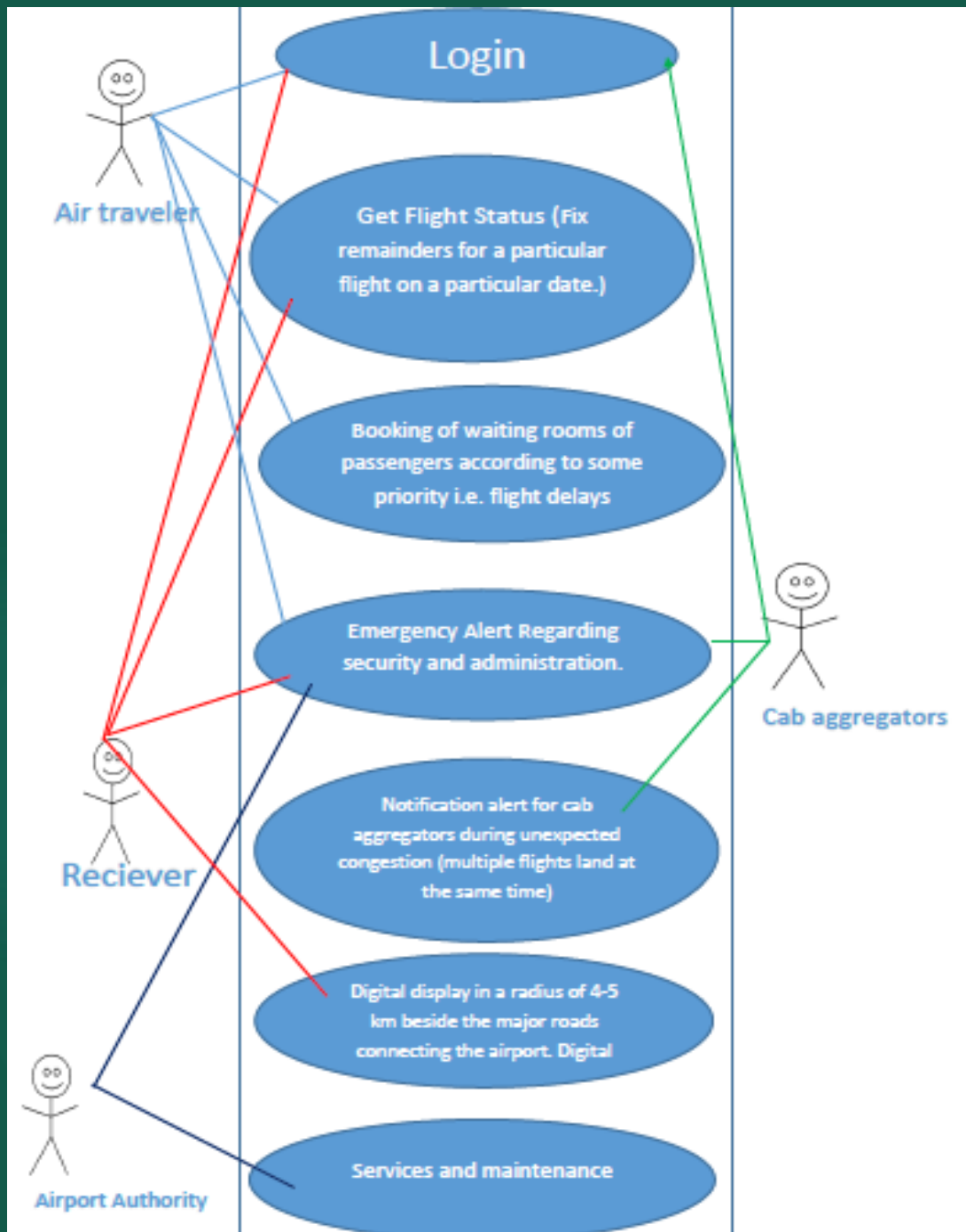
TECHNOLOGIES USED:

Backend :

- | | | | |
|---------------|----------|---------------|---------|
| - Python/PHP | - CSS | - ANGULAR JS | - MYSQL |
| - Net Tracker | - DJANGO | - MATERIALIZE | - JSON |

For Android:

- | | |
|---------------------------------------|--------------|
| - GOOGLE Cloud Messaging | - S.M.S. API |
| - Check current status of flights API | |



Show stopper:

The model will allow the Gate-Keepers of the respective airport authority to monitor the services that cab/bus operators provides, so one can more easily enforce pickup and drop-off locations, track compliance with schedule commitments and target operators who violate airport regulations.

The automated reminder system will remind the user(receiver) about the current status of flight. This will reduce his /her waiting time and will control overcrowding. It will also sense the upcoming congestion and alert the cab aggregators to send more cabs towards airport. The model is basically a 3-tier model which includes two major components, i.e., local transport system and the customers having airport authority as an interface between them.

Congestion control in airports have been a big issue for a long time in many countries for which some of them have introduced extra payment modes but then also a proper channelization is must for which the proposed model can be proved quite effective.

For more information, click on – bit.ly/CongestionController