

Project: Cab Service
4, january, 2013

Cab service: Automated system to book cabs

Request from a user to book a cab from station A to Station B

Project comprises of four parts:

Administrative setup (set up specifications of cab)

fill up the details like

1. Type of vehicle (AC, NON-AC, Three wheeler)
2. Driver
3. Registration no.
4. Maintenance details (date of last maintenance)
5. Distance run by the vehicle in KMs
6. Sitting capacity of vehicle

User Interface should allow registration of 10-20 cabs.

Creating an Interface to describe the city (2-D picture)

1. Add Landmarks
2. Connect land marks with roads
3. Store it in some file or in some database.
4. Add junctions.

Reload the above map on the screen

1. Update the status of vehicle on the map.

Schedule the Vehicle:

Allow customer/user to add source station, Destination station and also add personal details like mobile no. and name.

1. Listen to the above added information
2. Allot a cab which is nearest to the source station and calculate the estimated minimum time to reach the destination, taking the shortest possible path.
3. Book that cab for the above minimum duration .
4. If no cab is available then display the message accordingly