

Team 203
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Insta CAB

Cab Booking System

Project Scope :

Our project intends to bring drivers and riders together on a single platform and provide them safe and affordable ride hailing on demand. We accomplish all these by having options like book a ride, payment handling, real time location, integration with gmaps, sos safety features all together. We can provide nearest driver possible from user location data, we will be calculating driver working hours and his/her revenue from the data, we will infer percentage of ride cancel per driver and payments per driver per month from the data.

Functional Requirement :

- Splash screen will include app name and login/sign up option.
- Only one user can sign up per mobile number (**entity integrity constraint**).
- Only integer values can be entered for age and only persons above 12 years can register (**domain constraint**).
- App provides a friendly cab booking interface using HTML, CSS, and JavaScript
- Upon selecting the "book a ride" option, a pop-up appears on the driver app with only the user's current and destination location (**access constraint**).
- Users can only book one cab driver at a time (**Cardinality constraint**).
- Drivers will have the option to accept or reject the ride based on rider rating, using the geolocation API.
- On accepting, expected arrival time, precise fair price, driver name, and vehicle number are shown on the user's screen (**access constraint**).
- Users can pay the fair price using different payment gateways and can use the SOS service in case of emergency.
- Users will have the option to rate the driver at the end of the ride.

