PES UNIVERSITY, BANGALORE

Department of Computer Science and Engineering

Title : Cab Aggregator System

Team members :

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Proposed project description

Your project description must include a thorough explanation of your planned project, whether you are proposing a brand-new project or expanding on one of the sample software projects. You can also say whether you already have a customer or someone who is interested in your suggested project, as well as characterise the usual users of your planned system. Describe in a list of bullet points what the user will be able to perform with your system ("functional features") at the conclusion of this section.

- This project employs the features of a cab booking system which is in wide use in the world. There are customers everywhere who use cab service to travel to places. This is especially popular in busy cities. We plan to implement the project using python, PHP and MySQL for the database. There are separate interfaces for users, drivers and admin. Each driver is assigned a registration code by the admin and a password with which they can log in, accept requests and view their booking history. The admin at all times can view current bookings.

- To book taxis, customers only need to register on the website. They need to use the model name of the automobile to look for an available taxi; could be a sedan or an XUV. The customer must input the pickup and drop-off locations when booking a cab. Each option comes with a fare which is displayed while booking. The customer may also see their past reservations and cancel orders prior to booking confirmation.

- The functional features include the login page where the user signs up and can start using the cab services. After inputting the pickup and drop off locations the page displays the estimated arrival time, price and the type of vehicle that is available. The user can look into these and choose the one required by them. After booking the cab they can track the vehicle live to the pick up location till the drop off location. After the end of the ride the payment options are displayed where the user can safely pay.

Plan of work and product ownership:

- Your plan of work - In the first week, we will come up with the lifecycle model, create the SRS and create a small prototype for the said project. Later, we plan on creating the project plan which includes the tools, work breakdown structure, and a proposed Gantt chart for the division of tasks along with the use case diagram after which we create roles and assign responsibilities among us.

- The 4 of the team members will split the work in every weeks' deliverables in 4 parts and work on it simultaneously. We would make sure the work is split equally among us.

- Functionality : Saakshi HS will contribute to Login/Registration page,in app communication and precision of estimated fare, Sakshi Hulageri would do the advance booking features, estimated time, booking confirmation for the booked cab, Samhitha would work on confirmation page, live tracking options, completion of ride and Shreya will work on user aspect,driver aspect and admin aspect of the interface. The 4 of us together will work on the database and connection to the user interface.

- Qualitative property - We would fine tune the application to load and be usable within 3 seconds. The application would also update the interface on interaction within 2 seconds. We would also work on the confidentiality of the payment processing for paying after the ride. We would ensure a smooth and encrypted payment process.