*CS 353 Software Engineering*

Team Work



A carpooling app for Habib University Students

**Group Members:**

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*Invite Link for trello board:* <https://trello.com/invite/b/qVjGp6rH/7c36474812b54827f39838d0326c7dde/carpool-system>

Great product comes out as a result of a great team. Like any other successful team, our team was well communicated and that was the most important thing which lead us to the completion of our project. Our team worked side by side most of the time to achieve the goals of this project. The result of this project was a Carpooling App for the students of Habib University that facilitates users to be able to share rides to and from the campus. The team of 4 was divided into 2 subgroups where each group focused to work together on a particular aspect of the project. A lot of the times the team members had to sit down together if any one member of the team got stuck somewhere.

The team as we mentioned was divided into two teams. Where one team was titled as the UI/UX Engineers and the other was titled as Developers.

**UI/UX Engineers**

**Team members: Abeera Tariq & Ubaid Ali**

Scratching the idea of carpooling service to making it into a live application, this team worked tirelessly alongside developers to come up with user-based design, dug into user experience by getting out of the room and gauge product validation and do the necessary research work required as UI/UX Engineers.

Once it was decided that we have to make the app and the developer team started working on the database technologies, UI/UX Engineers team made started working on the front-end designs for this app. We made the initial drawing of the user screens, compared them with existing apps and resketched them on paper. After getting approved from the team we made the screens on Adobe Photoshop. Designing logo was also a task for this team. And then scripting and beautifying the Web screens using HTML, CSS was the final task for this team.

Apart from this, since we had very few team members, the team members were also responsible for doing the documentation of each and everything and manage daily standups.

It is also to note that the application layout of HU Carpool Service is responsive and cater to different screen sizes.

**Developers**

**Team members: Ahsan Syed and Nisha Shaikh**

From day 1, this team worked as a backbone for this project. This team worked diligently alongside UI/UX Engineers to use technologies and platforms that are up to the mark and are running well in the market these days.

Taking the developer’s expertise into account, it was decided at first that We will make our front end on Agular and the backend was first decided to be developed on Firebase.

Like every project, time constraints and other complications arose as it was a semester project and we were short on too many resources including time, we shifted to Node.js for our backend development for the ease of use.

This Node.js server is working on NoSQL format which enabled us to use get and post http calls, which allowed to edit, add and delete our data.

We also connected Firebase in addition with Node.js in order to log in and register our users as well as authenticate them. It is also to note that the main technology to host our Node.js server was MongoDB which is also a very latest technology. The Developers also managed the integration of backend with the frontend set by UI/UX Engineers,