Hasura
161, 19th Main Road
6th Block Koramangala
Bangalore 560095

App Clone - Uber

Uber is a popular ride hailing app. You are required to develop a clone of the app. Download the app and use it to understand the core features of the app.

Deliverables

The following are the deliverables for this group (*1 per group*):

1. **Plan of action doc:** A 1-3 page document with an outline of the group's plan for delivering on **Submission-1** (*see next point*). This document should have a list of sub-tasks along with their details and a list of resources/documentation that will be referred to during the implementation. Basic wire-frames for the frontend can also be included in this document.

2. **Submission-1:** For this submission, you will create an MVP version of the app assigned to you and implement the tasks mentioned as follows:

    a) **Backend features/tasks**
        i) Schema modelling, Hasura services and custom services to support the UI features/tasks mentioned below.
        ii) Have mock data in the database for cabs/location and their locations

    b) **Frontend features/tasks**
        i) Users to be able to signup/login as a user or driver (assume driver to be a cab).
        ii) Users should be able to see a list of cabs around them based on their location within a 10km radius
        iii) Users should be able to enter the destination and book a cab. The nearest cab should get assigned to them. (For submission-1, assume that a cab can be booked any number of times, since we are not considering factors like trip duration or completion, etc.). The details of every ride (user, driver, source, destination should be stored in the database).

    The goal of **Submission-1** is to get your group's work published at https://hasura.io/hub. To achieve this, you will be expected to first submit your code and a list of deliverables (to be shared before the deadline) in a GitHub repo. This

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submission will be reviewed by your mentor and, after incorporating the feedback, you will then be expected to publish the final draft.

3. **Submission-2:** This is where your group gets to be creative - you are expected to plan and implement a set of features that extends the MVP that you have built as part of **Submission-1.** The emphasis here is on iterative development and not about showing off a very large feature set. Focus on the user experience.

Hasura Feature Checklist

Use-Case	Hasura Feature to be used
Data Storage	Postgres instance in the cluster. You can import data using a CSV file or use the Data APIs
Inserting or fetching data from DB	Hasura Data API
User Authentication (login, signup, role-assignment, OTP)	Hasura Auth
Storing static files like images, documents, etc.	Hasura File APIs
Custom Code, cron jobs	Custom microservice

Other information

a) Each team should work on 1 Hasura cluster as collaborators (to be used for team presentations and submissions).
b) Please use the Hasura documentation for information on using the aforementioned features. Please report any errors or missing information in the documentation.

More details around the exact deliverables, mode of submission and deadlines (based on exam schedules) will be shared shortly over email and Slack.

Good Luck and have fun building apps!

-Team Hasura