

CPSC 471: Initial Draft Design

Due on March 21

Group Number 3

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1 Introduction

This report contains the initial draft design and a progress report for our project Renti, a peer to peer vehicle renting service. The current progress will discuss the technologies chosen for the framework and much work is done implementing it. As our project uses an Object Relational Mapping (ORM) to access our database we have an object orientated model which will be outlined. Lastly, the draft of the user interface is discussed.

2 Current Progress and Technologies

For the back end of the project we are using Node.js with `ALI INSERT THE LONG LIST OF JAVASCRIPT FRAMEWORKS THAT WE USE`. The database is using SQLite3 with Bookshelf.js to provide the ORM interface. The back end is finished and the API is tested. As the front end is implemented there will likely need to be some changes to the API but it is in a state where work can be started on the front end for the web application and possibly the mobile application.

The front end will be implemented using `INSERT MORE WEB JARGON HERE`. The boiler plate code will be taken from Ali Waseem's blog including functions like user authentication. Each project member will be responsible for creating components to interact with the back end API. Work is currently started and the projected completion date for the front end is end of March.

3 Object Orientated Model

The object orientated model is shown in Fig: 1. For each of the routes the SQL query is listed.

3.1 Users

The model of the user: The public routes:

3.1.1 `get /api/users/`

4 User Interface Draft Design

5 Conclusion

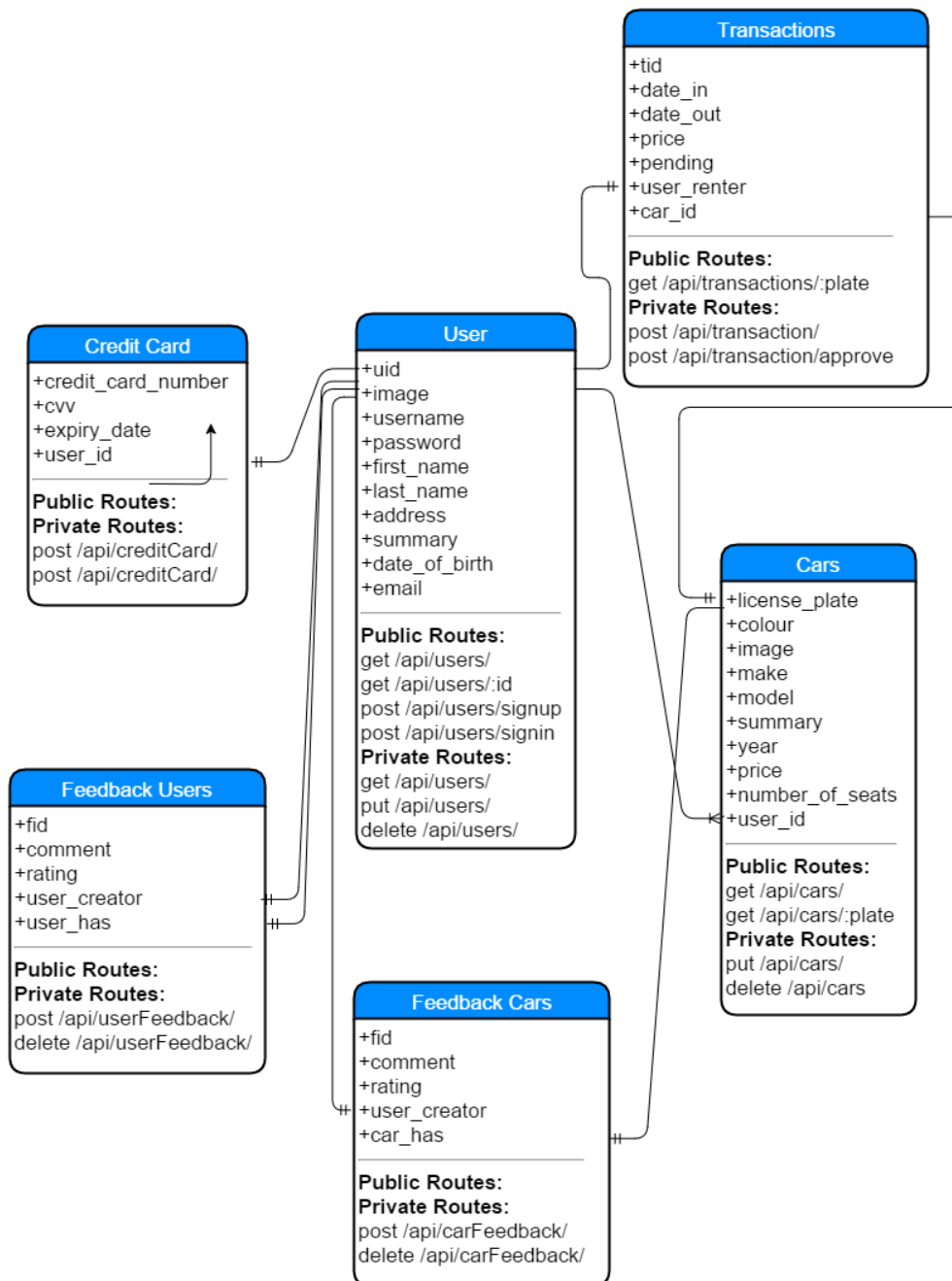


Figure 1: Database Object Orientated Model