

Advanced Software Engineering

Design: Team Assignment 2

Team: Argonauts

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How to access the Git Repository:

<https://github.com/rkfan/Parq>

Challenges Encountered

- Altering database structure - As we were implementing our project, sometimes we realized that we were missing a field or two after the database was already created. Our work-around this was to remake the database from scratch, which is acceptable for the early stages of the project - however, there should be a better technique to address this problem.
- Best Practice - Since most of us in the group have not done much web application development before, at times we were unsure whether the way we implemented things were best practice. Tutorials would give us ideas and things that worked, but at times we found ourselves unsure and a little hesitant of whether the things we used from the tutorials were the best approaches to problems ("is this how they do it in real life?").
- Testing - As of this point, we still haven't fully figured out how to write automated test scripts yet, though we have a good idea of some of the things that we would like to test. Right now, we just stuck black box testing with a user interacting with the application.
- A more specific challenge we faced was figuring out how to use reference key in SQLAlchemy. This deals with tables that use foreign keys, setting up such a table that did so took a little bit of time to figure out.

Pairs Responsible for the parts of the iteration

We all more or less worked on the tasks in the first iteration equally and were flexible in regards to that. No specific pair focused on a single aspect - this was done so we all have a good working idea of how everything works.

Post-demo Suggestions

- Add a feature of profile picture for every individual user.
- Display a list of the available parking spaces such that user should be able to click on the parking space to access the parking space.
- Provide the user an option to delete the parking space from the garage and to update an existing parking space in his garage.
- Provide the user an option to update his password as well as profile picture.
- Provide a message feature in the website using which buyers and sellers can communicate with each other.
- Display all the unread messages of an user in his profile as soon as he logs in to system.
- Setup Elasticsearch and mysql database on google cloud.
- Add test cases for every API.