

## Project Overview

Major Design Decisions: Some of the major design decisions we applied to our project were a homogeneous looking site, simple User Interface, a simple linked database with foreign keys, using django and bootstrap.

Our website looks the same all around, and has different options for each different type of user, employee, and manager. All colors are the same, and each page will always have the same header and footer.

We implemented a simple user interface so customers do not have a hard time reserving cars and adding funds to their account, for a nice experience for them to purchase car rentals later. The managers and employees also have the same simple UI so tracking reservations and service tickets is a simple and easy process.

The database itself is easily linked to create a simple design that cannot get over-complicated and confusing for users and developers. All users have a balance and reserved car reservations linked to their account for easy and upgradable UI and features.

We used django because we are familiar with the framework and the system overall. It ended up working very well with our system requirements, such as having users that can log in.

Bootstrap was for the front end and visual side of things, and provided some structure and nice looking designs on the front end. Responsive design that can be used to adapt screen sizes and choose what shows and what doesn't on any given device.

We all wanted a simple UI and homogeneous looking site, as well as a linked database structure. This allowed us to complete documented requirements for the web-app on time and in an efficient manner.

Each week, we met up as a team for up to 4 times, including in person on Tuesdays and Thursdays, creating a more unified and collective team. The communication on non-scrum days was great as well, such as teammates communicating ideas and thoughts about the project as a whole, and the little things as well. Because of these great practices of communication and teamwork, we were able to get things done when it mattered most, and our overall productivity was linear throughout the project.

We believe the project is ready for deployment. The project already is using a great framework with django, which already has plenty of security. The website itself has no means of anyone being able to intrude into the database because of proper coding techniques we used, such as user requests having to have manager authority to add cars, lojack cars, etc. The testing phase included manually going through the website and testing all possible errors that could occur, and

also database testing within the django project. This allowed us to see possible coding errors and/or functionality errors of the project as a whole.