

Texas A&M Self Driving Transport Student/User Interface

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Introduction

- We worked on the user interface for self driving carts on campus
- Anyone with access to the site can call a cart to give them a ride on campus
- There are plans to add more carts and more routes as time goes on

Technology Used

- Our team did some work on cloud9, a cloud based development environment with support for multiple users at the same time
- We used Ruby on Rails, pushing production code to Heroku which provides cloud hosting
- We utilized Cucumber for integration testing which also integrated with source control

Challenges

- We had issues with changes to the database schema as we better understood the final product
- Test driven development was difficult to enforce while still maintaining velocity of feature implementation
- All parts of the project including the carts are still in progress so constant communication was required

Future work

- Integration with other teams projects for a seamless ecosystem
- Improving security
- Increasing efficiency of cart queries
- Localization and/or accessibility improvements
- More informative user messages

Site Layout

