

Introduction

- The purpose of this web app is to allow an at-home mechanic to keep track of owned vehicles, their data, and those vehicle's service records
- The web app would also allow for vehicle service reminders to be sent through webhooks so that regular maintenance like changing Oil, replacing brakes, and inspecting coolant levels would be easier to remember. (Automatic service reminders were later cut, and a stand-in replacement is currently used instead due to poor time management.)

Technologies Used

- ReactJS (Frontend)
 - CSS
 - HTML
- Flask (Backend)
 - SQLite3 (DB)
 - Webhooks

Results

- Website works, but not the degree we were hoping for. Time snuck up on us and combined with using a language/framework we were not familiar with caused us to have to cut out functionality, which is discussed in the Discussion / Regrets Section below.
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Discussion / Regrets

- Using react as a frontend. We thought we were going to learn it in class because it's in the course description, but react is not taught.
- Short on Time. Had we started the project earlier, the setbacks wouldn't have slowed us down so much that we had to cut out some functionality.
 - Originally, service history was going to be stored in JSON format. Cut that to save time.
 - Service Reminders would have been able to be scheduled, but that had to be cut to save time.

- General aesthetic and finish are not where we wanted it, but had to cut back to save time.

What we learned

- React is powerful, but also complicated.
- We both don't have enough experience building websites to really know what/how we do things, more projects will help us learn.
- A virtual environment, or just some way to store dependencies is really helpful.

References

- Lots of GPT for understanding & Fixing errors. Nothing was directly copied, but what we wrote was heavily influenced by the responses generated.
- <https://www.youtube.com/watch?v=Y-XW9m8qOis>
- <https://www.youtube.com/watch?v=7LNI2JIZKHA>
- <https://www.youtube.com/watch?v=xDYx5UdHwv0>
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- <https://stackoverflow.com/questions/65216193/blocking-vs-non-blocking-effects-in-react-does-useeffect-run-asynchronously-imp>
- <https://stackoverflow.com/questions/62348034/react-how-to-stop-useeffect-from-being-called-continuously-without-altering-dr>
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- <https://stackoverflow.com/questions/53136121/making-post-requests-to-flask-and-getting-back-data>
- <https://stackoverflow.com/questions/62773695/how-to-integrate-flask-and-npm-together>
- <https://stackoverflow.com/questions/12096522/pass-variables-to-flasks-render-template>
- <https://stackoverflow.com/questions/70183636/routes-is-not-defined-react-jsx-no-undef>
- <https://stackoverflow.com/questions/71146604/passing-route-parameters-in-react-using-react-router-dom>