

Report 8

EE / CprE / SE 491 - sdmay25-06

Iowa Adventure Cyclists Course Creator

Week 6 Report

August 2024 - May 2025

Client & Faculty Advisor: Julie Rursch

Team Members

Kayley Clark - Technical Lead

Tanner Smith - Algorithm Architect

Nayma Garcia - UI/UX lead

Grant Pierce - Client Relation Manager

Nick Thoms - Testing

Eli Newland - Task Manager

Wan Elisa Wan Sarif - Component Design

Past Week Accomplishments

This week Kayley set up the SQL server on the virtual machine, as well as created documentation for each of the team members to sign on to the virtual machine, with a custom password and username. Tanner finished the ER diagram for the database, and started to make a script to add all tables onto the database, he also began researching cool locations to be used as achievements. Nayma and Elisa worked on finalizing a few of the Figma screens including the Sign up page, and login page, and started on the map page.

Eli started working on getting the DOT dataset into our SQL server, and started work on getting the data from our database into our app. Nick worked with Eli to

start working out which data is actually relevant to our app and the best ways to work with it. Lastly, Grant looked into security measures we could implement to ensure our database is secure.

Pending Issues

Parsing through the data from the DOT database and taking relevant information from that database into our database.

Need to figure out how to store route location data for saved routes in the database.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kayley Clark	Set up SQL server and documentation for team members	7	37
Tanner Smith	Finished ER diagram, made script to add tables onto database. Researching cool locations in Iowa for secret achievements.	8	39
Nayma Garcia	Finished multiple pages on figma including the login and signup page.	6	35
Grant Pierce	Researched security measures to keep database secure.	6	37
Nick Thoms	Worked with Eli to work out which data is relevant and to start implementing functionality that gets data from database into the app.	6	35
Eli Newland	Began work on getting the DOT dataset into our SQL database, and worked with Nick to start implementing functionality to get data from database into app.	7	37
Wan Elisa Wan Sarif	Worked with Nayma to finish page diagrams on figma including the	6	30

	login and signup pages as well as begin designing the map page.		
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Plans for Coming Week

- Begin parsing data from DOT database
- Continue researching best algorithms for route creation and create prototypes with database.
- Research storing route data securely
- Continue creating Figma mock-ups of screens