

Report 9

EE / CprE / SE 491 - sdmay25-06

Iowa Adventure Cyclists Course Creator

Week 4 Report

August 2024 - May 2025

Client & Faculty Advisor: Julie Rursch

Team Members

Kayley Clark

Tanner Smith

Nayma Garcia

Grant Pierce

Nick Thomas

Eli Newland

Wan Elisa Wan Sarif

Past Week Accomplishments:

This week Nayma and Elisa finished up creating some more Figma screens including the profile page, social page, edit profile page and the route customization pages, while Eli began working on turning the Figma mockups into code. Elisa, Nayma and Eli also all met and ensured the coded screens matched the Figma mockups, as well as establishing how to best organize the code for the screens in our codebase. Tanner continued work on researching cool locations to be used as "hidden gems" and achievements, and began work on creating mockups of how those achievements would look within the app.

Nick started, building scripts to parse data from our SQL server onto the backend. Kayley and Grant worked on implementing the route generation algorithms for the fastest path. Grant also continued research into security measures to ensure our app is secure.

Pending Issues

- Still need to find the best solution to how to store route location data in our database
- Need to figure out how to best display map information

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Kayley Clark	Worked on creating algorithms to generate the fastest path.	7	44
Tanner Smith	Continued researching cool locations for achievements feature and started creating mockups for how those achievements would look within the app	7	46
Nayma Garcia	Finished more Figma pages including Profile screen and social page.	6	41
Grant Pierce	Continued researching security measures and helped Kayley work on the route generation algorithms.	7	44
Nick Thoms	Worked on implementing functionality to parse data from our SQL database into the backend for later features.	6	41
Eli Newland	Worked on transforming our Figma mockups into actual code.	7	44
Wan Elisa Wan Sarif	Finished more Figma pages including the edit Profile screen and route	6	36

	customization page.		
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Plans for Coming Week

- Continue building Figma mockups in our frontend
- Continue creating Figma mockups of screens and features
- Start work on displaying data from database on frontend