MICHIGAN STATE UNIVERSITY

Alpha Presentation MSU Enviroweather Mobile

The Capstone Experience

Team MSU Enviroweather

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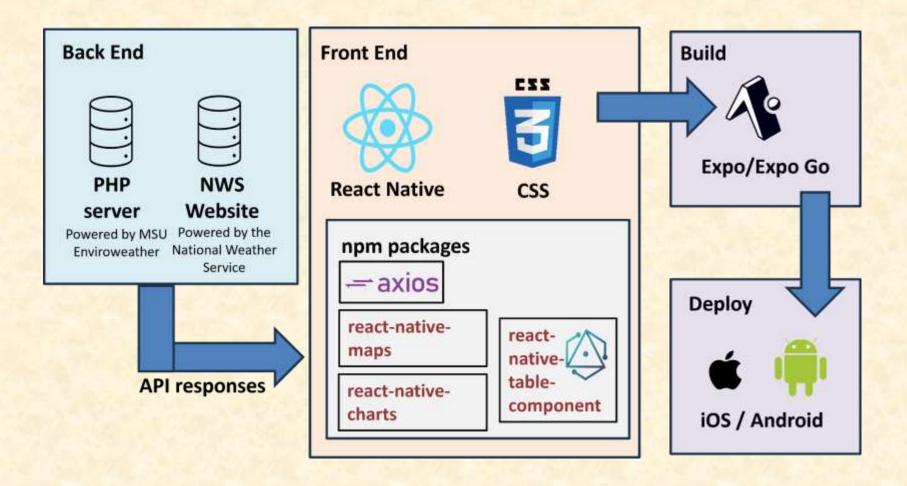
Spring 2024



Project Overview

- Enviroweather is a free online resource
 - They gather weather information to produce pest,
 plant, and weather models for Michigan growers.
- Converting web application to mobile application
 - Prove that the viewing of Enviroweather models can be improved on mobile by creating a native mobile application

System Architecture

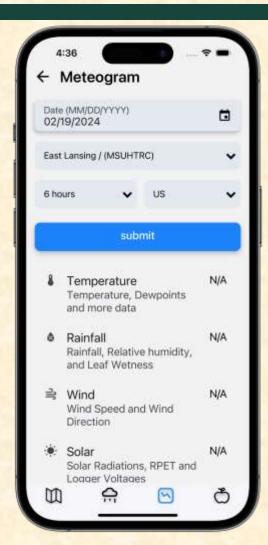


Latest Observations Map



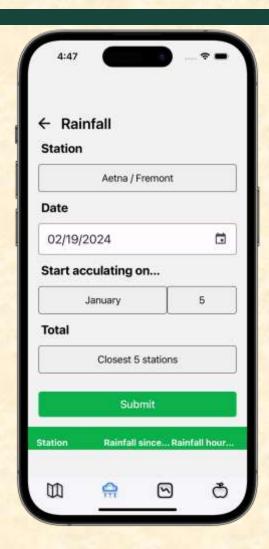


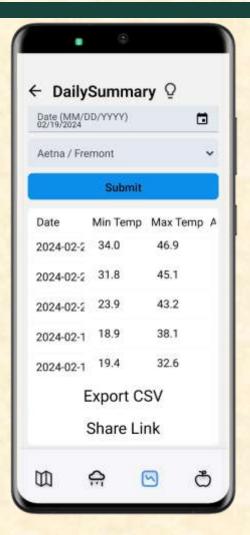
Meteogram





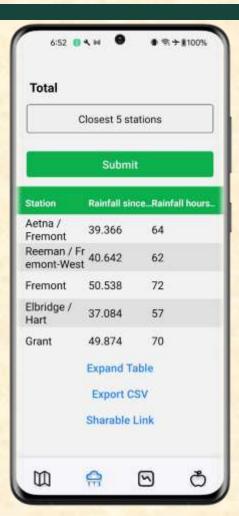
Regional Rainfall Summary



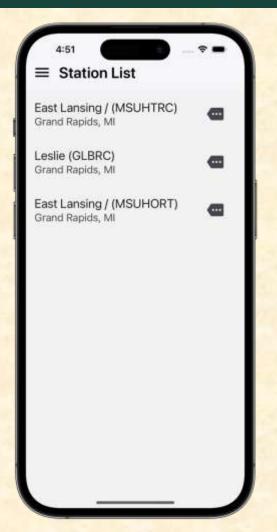


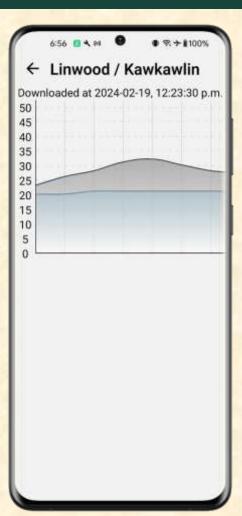
Temperature, Rainfall, and Degree Day Summary





Offline Support





What's left to do?

- Style application differently as app is shown to our stakeholders
 - May require changing libraries we use
- Optimize performance on iOS and Android
- Apple scab and oriental fruit moth models
- Recreate models for map view
- Finalize CSS and Animations

Questions?

