Abstract
The Denton Digital Kiosk project was inspired by a digital kiosk that was setup in the downtown area of a neighboring major city. Most communities do not have the money to setup such a kiosk but could benefit greatly from its utility for community awareness, tourism, and community feedback.

This project is meant to develop an open source kiosk framework that can be applied by anyone and with minimal hardware requirements. The kiosk has been developed in Angular has been tested to run locally on a Raspberry Pi 3B+.

Future Improvements
- Better weather icons
- Points of interest on map window
- Live transit update

Experiences and Challenges
- Angular/TypeScript was new for us. We had some exposure to JavaScript, HTML and CSS but Angular has added some extra curve.
- For some of us, this was the first time using an API of a remote web service. This meant learning how to make the API calls, collect and use the responses, in addition to reading the API documentation as usual. Fairly simple now that we have the hang of it.
- A major challenge has been switching 100% to virtual meetings especially with some of us having lackluster internet service.

Our Team
From top-left to right: Matthew McKelvain Kendal Ballard Jon Mays Drew Ballard

Sponsors
Kyle Taylor of Techmill
Techmill is a non-profit organization and startup and tech builder in Denton, educating, supporting, and building density of talent in our community.

David Keathly (Instructor)