TimeTab Final Presentation

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Team Makronii

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Introduction

- Web app to coordinate event scheduling
  - Meetings, conferences, hangouts
- A modern alternative to When2Meet
  - Mobile-friendly
  - Modern UI/UX
  - Improved input methods

Project Goals

- Create a modern, accessible website that allows people to communicate when they are available to each other
  - Choose what days of the week to schedule for
  - Make the group's schedules visible to one another
  - Have a much more color-blind friendly color palette
- Create an intuitive and easy-to-use method of inputting times
  - Toggle between selection and removal of times
- Create a website that works well across all devices
  - Different input methods on mobile devices
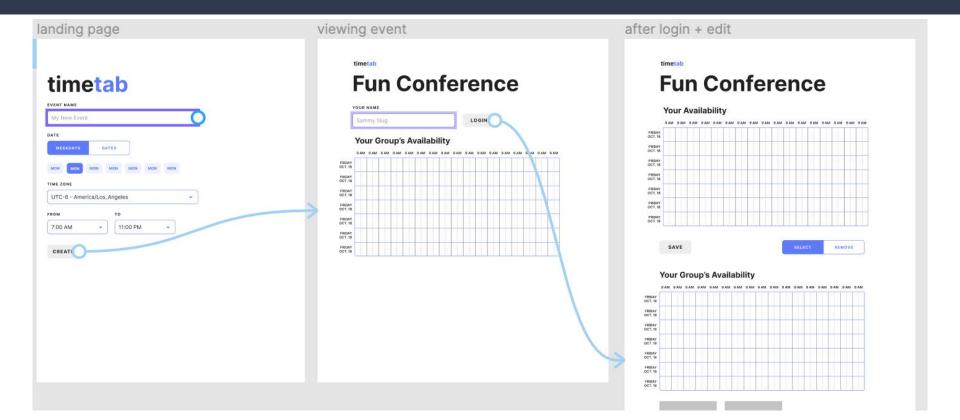
Challenges & Accomplishments

Challenges:
- Most of the team has little to no experience with creating webapps
- Balancing class workloads
- Different input methods between device types (desktop/mobile)

Accomplishments:
- Live site works as expected on desktop and most mobile devices
- Mobile site input functionality much more mobile friendly
- Colors more suited to use by people with colorblindness

System Demo

System Diagram

Technologies

Front-End:
- Tooling: Vite.js
- TypeScript
- React.js
- NPM packages:
  - React-router
  - React-day-picker
  - ...And many more!

Back-End:
- Firebase
  - Cloud Firestore Database

Project Management

Beyond Scrum: Remote Management
- Discord for project coordination
- LiveShare for remote pair programming / live collaboration
- Google Docs for documentation

Feedback

Enjoyed:
- Implementation of firebase
  - Realtime updates were simple to implement
- Learning React/Typescript
- Designing the web app UI/UX

Didn't Enjoy:
- Differences between mobile devices caused many errors
- Time zones were difficult to incorporate

Lessons Learned

Start/Keep Doing:

- Discuss progress in real time in the Discord server

- Tracking commits to help with accountability

- Schedule more time to work collaboratively on tasks

Stop Doing:

- Delaying our standups due to lack of communication

- Pushing unfinished tasks onto the next sprint