

CAPSTONE PROJECT MOBILE APP DEVELOPMENT

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NEVER AGAIN TECH

- Never Again Tech is a non-profit organization whose goal is to predict and prevent mass shootings using technology and artificial intelligence.
 - Three ongoing projects: predictive analytics, spreading awareness through social media and a discussion app for survivors
 - The app development team has 3 members with me being the lead.



GOALS

- Document my process of leading a mobile app development group, that can be used as a guide
 - Include the process of ideation, front end, backend, testing and other processes
 - Explain our app development process, using it as an example to explain the entire process of app development from start to end

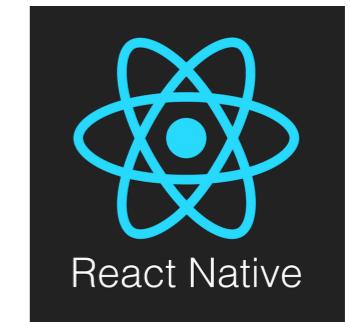
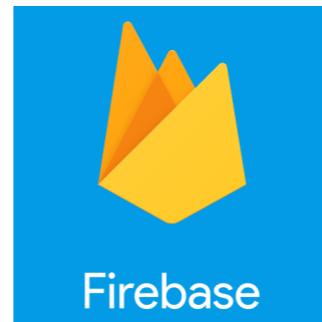


QUICK VISION

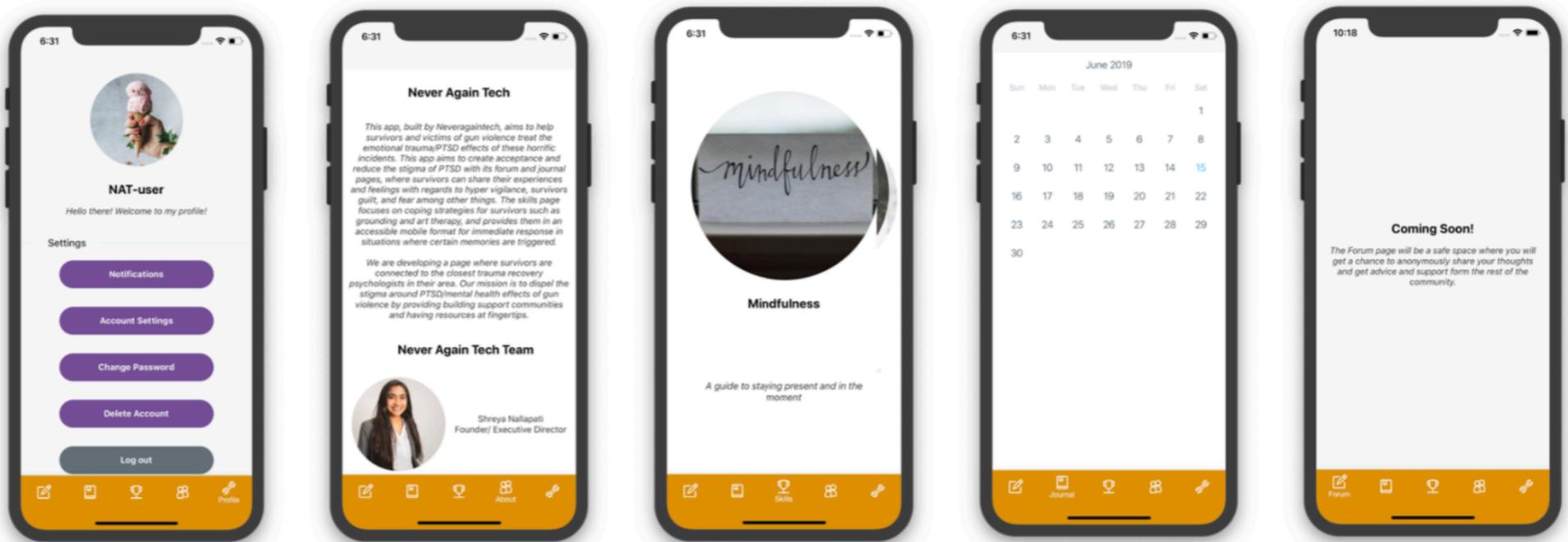
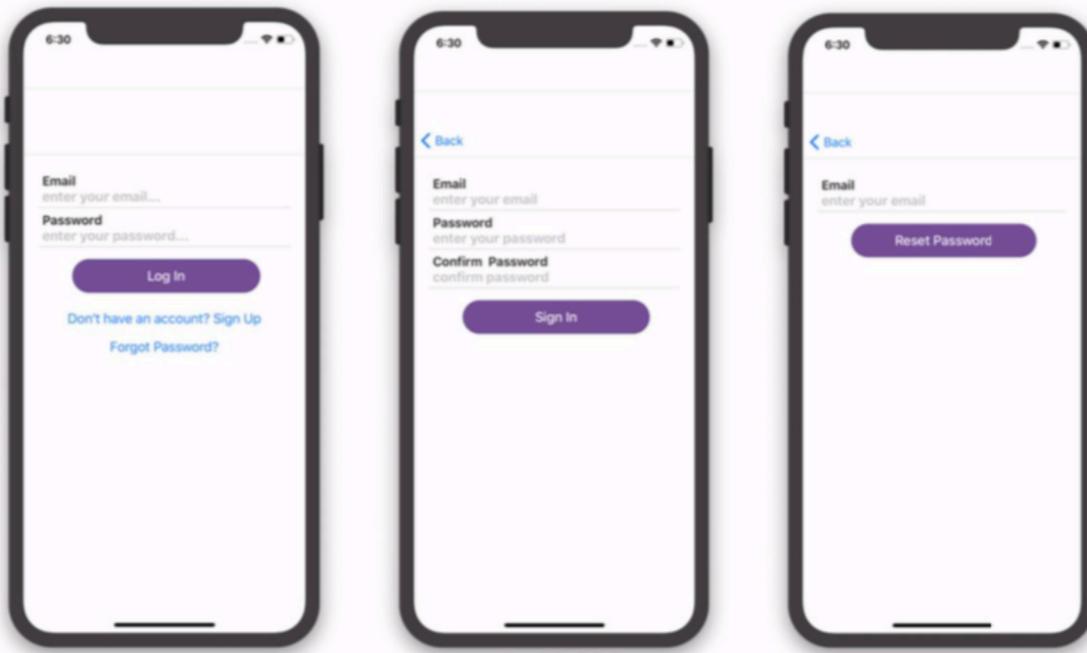
- Create a discussion app for survivors of mass shootings.
- Lead a team of 3 developers to start on the mobile app.
- Research what type of app we needed and what technologies to use.
- Work with a mental health expert to work on the content of the app.
- Create a detailed document that works as a guide to create a mobile app

TOOLS

- Languages/ Frameworks: React Native, CSS, HTML, JavaScript, SQL, Firebase
- Tools: GitHub, Slack, Zoom, Skype, Microsoft Teams



IMAGES OF PROJECT



ACCOMPLISHMENTS

- Created a document that details how to create a mobile app from start to end
 - Guides the process of ideation, front end, backend, testing and explains how processes help the creation of mobile app
 - Lead the team to research different ways to build a discussion board and design the backend



CHALLENGES

- First time leading a project of this magnitude
- Working remotely with developers
- Figuring out new technologies, learning and adapting new styles
- Working out a monetization plan for our app

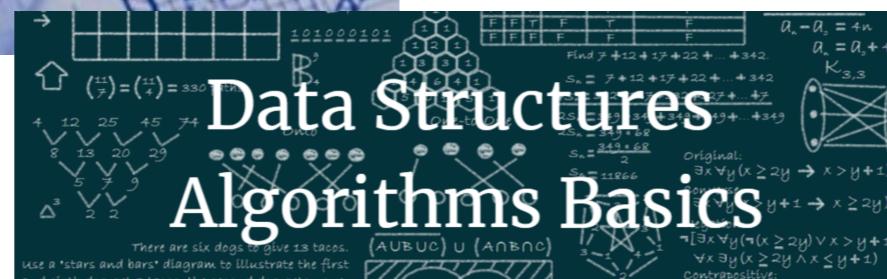


WHAT I HAVE LEARNT

- Experienced what it is like to lead a project and a team of developers
- Learned how to get started doing Mobile App development
- Learned new programming languages like Javascript, and CSS
- Learned new technologies like React Native and Firebase and their benefits
- Collaborated efficiently with remote team members

RELATED COURSEWORKS

- CSS 301 – Proper documentation skills
 - CSS 342/343 – Core programming and problem solving skills
 - CSS 360 – Agile software development
 - CSS 350 – Management skills and navigating the workplace



ACKNOWLEDGEMENTS

- Thanks to Never Again Tech and my team for believing that I can lead this project.
- Additional thanks to Professor Min Chen for her guidance and advice.



A vibrant abstract background composed of overlapping squares in shades of red, orange, yellow, and pink. The colors are applied with a visible brushstroke texture, creating a layered and dynamic composition.

Thank You!