

EE / CprE / SE 491 - sdmay25-10

True Force Technologies Mobile App Development

Week 9 Report

11/8/2024 - 11/14/2024

Client: True Force Technologies

Faculty Advisor: Matt Post

Team Members:

Molly Rooney – Team Communications Leader / Frontend Development Co-Master

Tessa Lanzel – Team Product Leader / Frontend Development Co-Master

May Edel – App Development Co-Master

Elicia Baranowski – Cyber Security Co-Master

Alexandra Rauer – Cyber Security Co-Master

Joshua Steven Chiang – Software Testing Master

Paige Schneider – App Development - Co-Master

Past Week Accomplishments

- Created screens - May, Molly, Tessa, Paige, Joshua
 - Followed the Figma UI designs and created interfaces for Android and iOS
 - Adding navigation between existing screens
- Demonstrated the current UI screens and navigation in a meeting with the client and advisor - Molly, Paige, May, Tessa, Lexie
 - Received feedback and discussed changes to future screens and navigation flows
 - Discussed definitions of the application's permission hierarchy, including potential expansions for future development
 - Documented report: [demo meeting 11/11](#)
- Committed and pushed to git - May, Molly, Tessa, Paige, Joshua
 - Created branches for each screen and assigned some to each developer
 - Implemented the UI designs and pushed them to git
 - Created merge requests with peer reviewers before merging the screen implementations to main branch
- Received testable True Force Technology rack in the senior design lab - Molly, Tessa, May, Paige, Lexie
 - Advisor showed the group how to use the rack and everyone got the chance to try it

- Team worked with current application to test the rack
- Researched possible cyber security components - Lexie, Elicia
 - Brainstormed possible solutions to current cybersecurity issues
 - Connected ideas to security standards to ensure the application will meet standards
 - Listed specific security considerations for different aspects of the project
 - Document: [Security Considerations](#)

Pending Issues

- Currently waiting on information about backend to begin connecting screens together
 - API hooks for implementing application features from the UI we are constructing
- Currently waiting for access to the database and backend to begin the cyber security component.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Molly Rooney	Participated in weekly meetings, continued to create screens and navigation between screens from figma UI for the android device. Demonstrated the current android application to the client and received feedback. Updated the	5	42

	website to include everything for final presentation		
Tessa Lancel	Participated in weekly meetings, Added/refined navigation between screens, worked on creation of the bench configuration and add team screen, Received and documented feedback in client-advisor meeting	4	39
May Edel	Participated in weekly meetings, Added/refined navigation between screens, Demonstrated the current flow and UI of the iOS application, Received and documented feedback in client-advisor meeting	4	59

Alexandra Rauer	Participated in weekly meetings, started cybersecurity considerations document to outline where work needs to be done	4	31
Paige Schneider	Participated in weekly meetings, brainstormed new/reformed functionalities and account permissions for product with client, continued creating/improving screen designs for android	4	35
Elicia Baranowski	Started cybersecurity considerations document to outline where work needs to be done	2	29
Joshua Steven Chiang	Participated in weekly meetings, worked on the 'Add Team' and 'Edit Team	3	37

	Player' screens, and integrated these screens with other parts of the application.		
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Plans for Coming Week

- Research IOS and Android app development - All
- Continue to create screens - Paige, May, Tessa, Molly, Joshua
- Continue connecting screens together - Paige, May, Tessa, Molly, Joshua
- Receive hardware and admin login for existing product from client to start using the product - All
- Speak with cyber security professors to gain insight on possible implementations - Elicia, Lexie