Approachable Geek

Overview

Creating a mobile application that appears to have the functionality of a profile page. Data does

not need to be saved to a database, but the application should appear to function as expected

until refresh/restarted.

1. **Business Rules / Requirements:**
   a. *Use any mobile technology(s) you desire*
   b. *Allow for users to edit their profile information including: name, number, email and bio*
   c. *Use the provided UI as a guide*
      i. *https://xd.adobe.com/view/58778ee1-0bc4-40d9-55fb-cea5b22ab1c8-2e46/*
   d. **Bonus**: *Allow for users to edit their profile photo*

2. **Expected Deliverables:**
   a. *Email sent to approachablegeek@gmail.com containing a link to your GitHub repository and the number of hours it took to do the project*
   b. *The GitHub project can be cloned, and run within a reasonable amount of time. Please include in your read-me links to any installation/setup that is needed*
   c. *Please add any notes regarding how to run the project within the project readme (Note: We will be running the projects on MacOS)*

Specifics

Technology

The technology I have chosen to use for this coding project is React Native. Having been using React for frontend I believe that using React Native will be the best option for me as I am more familiar with this to build a mobile app. I decided to go with the Expo CLI instead of the React Native CLI as this is a simple app and I don't need to do a lot of configuration. This also allows me the opportunity to build upon later, as you can "eject" or switch to React Native CLI if I need to.

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STARTUP

Readme

To start you will need to visit my Github and clone the repository housing my project to run.

Step 1:

- ➢ Clone Github repository locally:
  - ○ https://github.com/LRieger13/Approachable

Step 2:

- ➢ Inside VSCode
  - ○ Change directories
    - ■ cd 'folder name' ← inside the cloned project folder
- ➢ Run command to install expo cli
  - ○ **`npm install –global expo-cli`**
- ➢ Run command to start project
  - ○ **`npm start`**
  - ○ Choose how to launch
    - ■ 'w' → Launch in web browser
    - ■ 'a' → Launch in Android

TIME TRACK

How much time was spent doing what? Below I have broken down each category and how much time was spent doing specific activities.

Date	Research	Development	Hurdles
December 16, 2021	Initial: 2 hours	Startup Environment: 1 hour	
December 17, 2021	Components: 2 hours Hurdles: 2 hours	First page: 2 hours	Styling; Git repository was mis-configured lost all progress – had to fix file path, reconfigure & reupload;
December 19, 2021	Research: Navigation 2 hours Hurdles: Navigation (2 hours)	Navigation: 2 hours	Understanding Navigation & how it works in Native. Npm dependencies;
December 20, 2021	Research: Navigation 1 hour, State, handling State: 2 hours Hurdles: 2 hours{ Navigation, duplicated dependencies, git repository }	Navigation: 2.5 hours Pages / Styling: 1 hour	Tried every which way to build the app just to get the navigation working – uninstalled\reinstalled, from scratch, and the typescript template – still having issues w\ navigation; After reinstalling node, I started a blank project and finally got navigation working!
December 21, 2021	Research: State 1 hour Hurdles:	State: 1.5 hour	Got the text input to change the text field for name on the home screen;
December 22, 2021	Research: 4 hours Hurdles: State, transferring data across screens	State: 2 hours	Tried useState, but couldn't transfer data; Moved onto Context and that was a bit more difficult to grasp; Started researching useContext instead;
December 23, 2021	Research: 1 hour Hurdles:	Finishing Touch: 2 hours	Read some more on 'useContext' managed to get the edited version to transfer;

SOURCES
Resources Used

Documentation & forums used during the project.

Sources:

https://docs.expo.dev/workflow/android-studio-emulator/

https://www.youtube.com/watch?v=qSRrxpdMpVc

https://reactnavigation.org/docs/navigating

https://reactnavigation.org/docs/hello-react-navigation

https://www.brainstormcreative.co.uk/react-native-expo/create-a-react-native-app-with-expo-tutorial/

https://www.brainstormcreative.co.uk/react-native-expo/create-a-react-native-app-with-expo-tutorial/

https://mui.com/components/material-icons/?selected=AccountCircle

https://stackoverflow.com/questions/54738681/how-to-change-the-value-of-a-context-with-usecontext