

Homework 2 Due Sunday, 1-14-18

Note: The following items refer to recent lab sessions when the work was presented.

A. stogit for React Native

1. Install git on your laptop if necessary (should be pre-installed for Mac and Linux).
2. Configure git on your laptop, then make a clone of your `mca-i18/username` repository presumably called `~/git/username-react` on your laptop.
(Presented on 1/11 as Adding react-install to your git repository, step 1)
3. Install React Native on your laptop.
(Presented on 1/04 as Installing React Native)
4. Change directory to your cloned working directory `~/git/username-react`. Create a subdirectory `react-install`, and move your React Native application directory (contains `App.js`) to become a subdirectory of `react-install`.
(Presented on 1/11 as Adding react-install to your git repository, step 2)
5. Create a commit containing `react-install`, and pull/push it to stogit.
(Presented on 1/11 as Adding react-install to your git repository, step 3)

B. React Native App Development

1. React Native app development has been explored hand-on in recent class days. Those in-class exercises lead to a running mobile app (or apps) that accomplishes the following features. Create an app that presents all of the following features.
 - (A) A running app (originally the default app) served by your computer and running on your mobile device.
(Presented on 1/04 as Installing React Native)
 - (B) A button app that features at least two buttons, one of which prints a message on the console.
(Presented on 1/10 as React native GUIs - Deandre)
 - (C) An app with a button that turns on phone vibration, and another button that turns off phone vibration
(Presented on 1/10 as React native GUIs - Deandre)
 - (D) An app that uses at least one file a subdirectory `screens` of your app directory. Each file should define a Javascript class that launches one screen of your app.
(Presented on 1/11 as React file hierarchy and navigation)
 - (E) An app that has two or more screens.
(Presented on 1/11 as React file hierarchy and navigation)
 - (F) An app that has navigation between two screens, through navigation buttons in each of those screens.
(Presented on 1/11 as React file hierarchy and navigation)
2. Make a git `commit` of your app(s) that demonstrate the features (A), (B), etc., above. Then, submit your work by pushing that `commit` to stogit.

- If you don't have all of these features implemented and running, **use the commit message** to indicate which features you have started, completed, or tested.

C. React Native app development, continued

1. Add a Home screen to your app that has buttons for navigating to all screens of your app. Also, modify other screens to include a HOME button for navigating to the new Home screen.
 - Implement the Home screen in a class Home defined in a file Home.js in your screens subdirectory.
 - Modify App.js as needed so that your app starts with the Home screen.

Create a commit with an appropriate commit message for this change. For example, your commit message might be

```
HW2 C1 complete and tested - Added Home page
```

2. Add a screen Count to your app that provides buttons for performing the Javascript fetch() interactions with the count server in the previous homework.
 - For this and all future screens, define Count in a file (Count.js) in your screens subdirectory, and include navigation between the home screen and your new page.
 - *Note:* fetch() is part of the React framework, and you **shouldn't** try to require() or import it.

Create a commit with an appropriate message for this change.