

SFWRTECH 4WP3 – Advanced Web Programming - Assignment #9

Weight

4% of total course grade

Due date

Wednesday April 6th at 11:59pm

Primary learning objectives

- Use React Native to implement a mobile application.
- Use a web service to retrieve data for an application.

Requirements

In this assignment you will create a mobile application with React Native that incorporates a web service. There is a lot of flexibility to build something you find exciting to create, but your solution must conform to the following minimum requirements:

- Create a React Native application with a well-defined purpose and/or target user in-mind. The exact purpose and/or target user is up to you, but try to find an idea you find fun!
 - e.g. an application that allows users to access weather report data.
 - e.g. an application that allows users to access hockey statistics.
 - e.g. an application that allows users to access Pokémon data.
- Your application must allow the user to perform actions (e.g. button presses, etc.) that will result in data being retrieved from a web service and being displayed in a neatly formatted way to the user.
 - You may use multiple web services and/or multiple web service endpoints if you prefer, but only accessing one web service at one endpoint is required.
- At least one parameter must be used when accessing at least one endpoint of the webservice, and this parameter must be different depending on what input the user provides or what actions the user takes.
 - e.g. a parameter might be set based on what a user has typed into a TextInput
 - e.g. a parameter might be set based on which button a user has clicked.

- The application must incorporate a minimum of the following:
 - At least one List View component
 - You can use any of the different types of List View components.
 - At least one TextInput component
 - At least two Button components
 - At least one image
 - At least one usage of Flexbox to layout the application.

The web service(s) your application accesses must be different than the example(s) done during class time. The application should be well-designed and professional in appearance.

Submission

Use expo to create your solution. Delete the node_modules folder before submitting your work, but keep all the other files, including the package.json file. Zip your solution as a9_firstname_lastname.zip and upload it to the dropbox on Avenue.

Marking rubric

Component	Description	Marks
Purpose or target user	A clear purpose and/or target user	/10
Web service	A web service is accessed	/20
Web service parameter	A parameter is incorporated when accessing the web service.	/20
React Native components	Required React Native components are used.	/40
Well-designed and professional in appearance	Reasonably professional appearance.	/10
Total:		/100