

React Native Portfolio Project Initial Report

1. How your Project will benefit from React Native

- What will React Native allow you to do that would have been difficult with React?

My project will benefit greatly from React Native by allowing my project to have an App for both ios and android. Many users want to be able to access application functionality from their own device with a single tap. This is especially helpful when there is poor internet connectivity and it makes things faster and easier in general to work with a native app. Apps on mobile devices should also run easily and seamlessly integrate with whatever operating system the device is using. React Native will allow me to accomplish these goals.

2. Expected List of React Components

- A brief list of the React Components you will need to develop for your application
- Brief justifications for including these components

My app will attempt to provide quick access to the most important functionality of the web-experience I have designed. My project is based around a website for a fictitious tabletop gaming cafe. In an app, I would not expect the user to want as much information or advertising as they may see on an internet website. Instead, users may wish to use an app for keeping up with an account they have set up, manage reservations, access a newsletter, order food/drinks, or check the status of available games quickly.

I will therefore need to render many different React Native Components, similar to the ones I have in React, but not the same. I will need different screens to display views, forms, text, photos, and general information. And since the app is meant to specifically offer quick and easy functionality, I will especially want to be able to render forms in a fast and simple manner. I expect that I will need at least:

- Surrounding navigational component provided by React Navigation
- Account component to keep track of user data like funds, reservations, games, etc.
- Reservation component to make reservations
- Game list component to view available games (perhaps built into reservation system)
- Menu component where users can order food/drinks
- General Info & Contact component

3. Team responsibilities

- Which team member will own the development of which React Component

This is an independent project, so the work will be split evenly between me, myself, and I.