React.js

Project Guidelines



Sample projects

1. Hot or Cold React / Redux
   1. Deployed app: <https://iamromanh.github.io/HotColdReact/>
   2. Link to repository: <https://github.com/iamromanh/HotColdReact>
2. Pomodoro Clock<http://sean-smith.me/assets/portfolio/pomodoro-2/index.html>
3. Tic Tac Toe<http://sean-smith.me/assets/portfolio/tic-tac-toe-2/index.html>
4. Todo - list<http://sean-smith.me/assets/portfolio/25-react-projects/projects/Project_4/index.html>
5. Weather App<http://sean-smith.me/assets/portfolio/weather-2/index.html>
6. Calculator<http://sean-smith.me/assets/portfolio/calculator-2/index.html>
7. Trending Gifs from Giffy<http://sean-smith.me/assets/portfolio/25-react-projects/projects/Project_6/index.html>
8. Quote Generator<http://sean-smith.me/assets/portfolio/quotes-2/index.html>

Project Guideline

1. On the React side app should include
   1. [A parent component](https://reactjs.org/docs/hello-world.html)
   2. [A child component](https://reactjs.org/docs/hello-world.html)
   3. [React methods we covered in class](https://reactjs.org/docs/hello-world.html)
2. On the Redux side your app should include
   1. [Store](https://redux.js.org/docs/basics/Store.html)
   2. [Actions](https://redux.js.org/docs/basics/Actions.html)
   3. [Reducers](https://redux.js.org/docs/basics/Reducers.html)
   4. [Dispatch](https://redux.js.org/docs/api/Store.html#dispatch)
3. Application must be styled with a CSS library of your choice. CSS library can be component based or class based libraries. Here are some suggestions.
   1. [Reactstrap](http://reactstrap.github.io/)
   2. [React-Bootstrap](https://react-bootstrap.github.io/)
   3. [Bootstrap](https://getbootstrap.com/)
   4. [Bulma](https://bulma.io/)
4. Optional
   1. API Calls
   2. Backend development

Demo Guideline[[React / Redux Final Project Rubric](https://docs.google.com/spreadsheets/d/1PYULlwNHMRva4TYh5DFCXE_ujHy1H0UpAfRYEk7VMho/edit#gid=0)]

1. 10 minute demo breakdown
   1. Intro [3 min]
      1. Introduce your project
      2. Why did you create your project
      3. What problem are you trying to solve
      4. Your demographic
   2. Demo [3 min]
      1. Demo the most interesting parts of the application
   3. Technical walkthrough [3 min]
      1. Walkthrough the most interesting part of the code
   4. Wrap-up [1 min]
      1. Expose your contact information
      2. Talk about next steps for your project

Deliverables

1. React / Redux application [proposal document](https://docs.google.com/document/d/142bBMi55Xg2xaY3wcmFY9UscZgvOhJQP_BsNKywZI80/edit)
2. An application that incorporates a full implementation of React and Redux
3. A deployed application on **GitHub Pages.** If you feel comfortable deploying on another platform like **Heroku** feel free to do so. Here are the support links for Github Pages & Heroku:
   1. [How to deploy a create-react-app on GitHub Pages](https://medium.freecodecamp.org/surge-vs-github-pages-deploying-a-create-react-app-project-c0ecbf317089).
   2. [Building and deploying a React Create App to GitHub Pages using TravisCI [Continuous Integration]](http://rants.broonix.ca/building-and-deploying-a-react-create-app-to-github-pages-using-travisci/).
   3. [How to deploy an application on Heroku.](https://devcenter.heroku.com/articles/git)