**Note**

What is covered:

* React, Redux
* Firebase
* Node JS – server
* Push to production using Git, GitHub, and Heroku
* Create custom server
* Using Babel to compile and bundle the files into a few files

App Structure:

**News App**

**Header / Header**

**Component**

**News Component**

**News item**

**Parent Component**

**News Item**

**News Item**

**Four Components:**

1. **Parent**
2. **Header**
3. **News**
4. **News Item**

**To deploy React app to Github:**

1. Install a package: npm install gh-pages --save-dev
2. Create a new repository on Github and copy the url
3. In the terminal: git remote add origin git url link (paste url)
4. Open Package.json and add above “dependencies”:
   1. “homepage”: “<http://gitusername.github.io/reponame>”
5. Add these two lines inside the “scripts”:

a. “predeploy”: “npm run build”

b. “deploy”: “gh-pages -d build”

6. Then run the command: npm run deploy

7. Copy the url (<https://gitusername.github.io/reponame/>) and check it

**Routing:**

* Need to install a package to use routing in React: npm install react-router-dom --save
* Then import { BrowserRouter, Route } from ‘react-router-dom’;
  + BrowserRouter interacts with history, url and what’s happening in the url
  + Route knows what to do when the BrowserRouter is changing the url
  + Each <Route /> has a ‘path’, ‘component’ attributes

High Order Component (HOC):