2017-03-20

**Simple Route**

**MSc. Communications Software – Enterprise Web Development**

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Signed: Colm Carew

Date: 20/03/2017

# Introduction

Simple Route is a Web Application written using the React JavaScript Library. The core idea of the application is to; using a Map view, a Single Page Applications (SPA) which gives the user the easiest directions to their desired locations. In creating this solution the goal is also to exhibit some of the React concepts learned throughout the React lectures of the Enterprise Web Development module.

# Project Layout

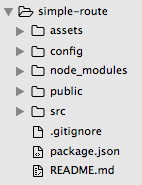
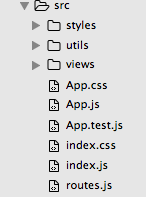


Figure 1 : Project Layout

As can be seen the folder structure is :

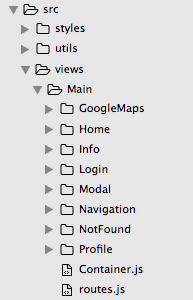
* assets (assets required for the webpage such as images)
* config – configuration files go here such as a config file for the Google Maps API Key
* node\_modules – this is the folder container all external components used in the project which are pulled using npm
* public – this is where the website favicon and index.html file are located
* src – this is where all the React Components that make up the website are located
* .gitignore – the file to tell git what files/folders should be ignored when committing
* package.json – the project configuration file which includes all relevant dependencies
* README.md – the read me of the project



**Figure 2 : src project layout**

Src is broken up into :

* Styles – where some of the css files reside
* Utils – where the utilities such as database writing or Google Maps services reside
* Views – where the actual react components are which comprised the website
* Route.js – used for the routing of the application
* Index – the entry point of the application
* App – where all of the components get rendered to before being rendered in index



**Figure 3 : Views Directory**

The views directory is inside the Main directory which is inside the src directory, it’s content are :

* GoogleMaps – all the components for GoogleMaps to be viewable + interactive
* Home – the main component of the application is located in this folder
* Info – the About page of the application is located here
* Login – the components related to the Login screen are here
* Modal – used to contain a custom modal which is used for display forms
* Navigation – folder containing the custom navigation bar
* NotFound – used for containing error pages, in this case just the NotFound page
* Profile – contains the components for the user profile
* Container – used as the main container of the home page
* Routes.js – used for the application routing – the other routes.js in the src directory uses this file

# NPM Modules Used