

# Programming Assignment-5

Take Home Series ~ CSI 3150

Develop a technical report / user manual document for the project hosted in the following github repository:

- Github Repo Link: <https://github.com/martysen/DemoQuizApp>
- Github Pages Link: <https://martysen.github.io/DemoQuizApp/>

First, familiarize yourself with the functionality of the app by interacting with the github pages link and thereafter familiarize yourself with the code base to understand how these functionalities have been implemented.

The technical report / user manual that you will develop needs to be detailed, concise, and to the point (do not write essays and long paragraphs) for an audience who are beginners and trying to implement the app in question. (i.e. you will assume that your audience have a basic foundational knowledge of HTML, CSS, and JS).

The report must address the following contents:

1. Problem statement of the App: A concise summary of less than 150 words outlining what the app is all about.
2. Functional features of the App: written as a bullet list, outline the functional features of the app.
3. Explanation of the directory structure/setup of the App as present in the code base and how different files are linked and working together.
4. Explanation of the codebase in each of relevant files, which in this case are the index.html, style.css, questions.js, and quizApp.js files.

A reference or an example what entails creating a user manual can be found in the following GitHub link : <https://github.com/martysen/react-native-uber-clone> or <https://github.com/martysen/RN-Checkboxes> (scroll down a bit once the page load and read through the readme.md file). The assignment also provides the source code of the .md files required to learn how to write .md files for various technical codebase.

NOTE: you do not have to explain every coded statement line-by-line. You can group some statements together and give summary explanations (like in the case of css and html files). A good starting point to determine what needs to be explained and which of the explanations can be kept simple and summarized is to think in terms of your audience – beginners who have fundamental knowledge of the technology but are not experts. There is no page limit or word restrictions (other than the problem statement section as mentioned before) as such, however you will be penalized if you write long paragraph or essays. Stick to ordered or unordered list items while doing step-by-step explanations.

## **Submission Options:**

You have two options to submit your work as given below. Either options are acceptable as far as the assignment submission itself is concerned but option 2 will enhance your own personal learning skills when compared to option 1.

1. Write your report as a .doc(x) file (1 inch margin on all sides, font size: 11 pt, font family: times new roman or arial, single column). You must make sure the code listings are well formatted (if you want to take screenshots of the code base and use it, make sure your screenshots are readable and well formatted). Convert to .pdf and submit on moodle.
2. Create your own github repo, Host the code base that has been provided and create a readme.md file for your repo. Then share your github repo link through a pdf file (as you have been submitting until now).

Readme files are an essential part of professional looking GitHub repos. If you plan to share your work/skillset to your potential recruiters by sharing your GitHub repo (which nowadays many developer or SW engg. Job listings expect in your resume), it is beneficial to know how to write markdown files. I have attached a sample readme.md file with the assignment for your reference (the sample file is from one of the GitHub repo I have reference above) and following link contains the basics of an .md file write-up: <https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet> , <https://github.com/lifeparticle/Markdown-Cheatsheet>. All the syntax you will need are in these two links.