

Module 9 - Pre Work assignment
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Node Js

Node Js is a tool that will let you write JavaScript outside of a web browser. Its great for building scalable network applications.

Git

Git is a tool used for version control and tracking changes in source code during development. Its a good tool for coordinating work among many programmers.

React

React - is a open-source JavaScript library for building user interfaces (UI), it's open source.

JSX

JSX is a syntax extension to JavaScript for use with React which is used to describe what the UI should look like. It looks like a template language but it comes with all the feature of JavaScript.

Redux

Redux is an open-source JavaScript library for managing application state. Its suppose to provide a predictable container state for JavaScript apps.

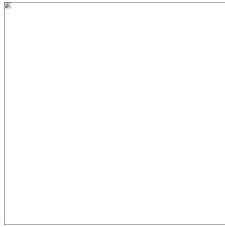
Bootstrap

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

jQuery

jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License.

Document Object Model - DOM



DOM or Document Object Model treats HTML/XML as a treeStructure.

Ajax

Client side software for asynchronous operation of web applications.

MySQL

Open-Source Relational Database Management System

React Router

React Router 4 is a tool to link together the URL and your React app.

Express Server

Express is designed to provide small, robust tooling for HTTP servers, making it a great solution for single page applications, web sites, hybrids, or public HTTP APIs.

AngularJS

Angular JS aims to simplify both development and testing of Web applications.

Agile Software Development

If you have a team of developers it's often best to work using the Agile paradigm to meet customer expectations in an orderly and logical fashion. The main methods are to build often and release often each time adding additional features and capabilities rather than releasing one huge release once.

Handlebars

Template System

Handlebars is a semantic web template system. Handlebars.js is a superset of Mustache, and can render Mustache templates in addition to Handlebars templates. While Mustache is a logicless templating language, Handlebars adds extensibility and minimal logic, such as `#if`, `#unless`, `#with`, and `#each` helpers.

Sequelize

Sequelize makes it easy to connect to the most popular SQL databases using plain JavaScript objects.

Heroku

Heroku is a cloud platform as a service supporting several programming languages. One of the first cloud platforms, Heroku has been in development since June 2007, when it supported only the Ruby programming language, but now supports Java, Node.js, Scala, Clojure, Python, PHP, and Go. For this reason, Heroku is said to be a polyglot platform as it has features for a developer to build, run and scale applications in a similar manner across most languages. Heroku was acquired by Salesforce.com in 2010 for \$212 million.

MongoDB

MongoDB is a cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas. MongoDB is developed by MongoDB Inc. and licensed under the Server Side Public License.

Progressive Web Apps.

Progressive Web Apps -is a front-end technology which aims to deliver high level performance regardless of device or network condition. This is achieved with selective native-app qualities that are reliable, fast, and engaging.

MERN Stack is a Javascript Stack that is used for easier and faster deployment of full-stack web applications. MERN Stack comprises 4 technologies namely: [MongoDB](#), [Express](#), [React](#) and [Node.js](#). It is designed to make the development process smoother and easier.

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