**Assignment #2: My Future Job... I Think?**

Task: Read the job postings for at least 10 of the listings. As you are reading, take note of at least one technology, tool, or term, with which you are unfamiliar, from each listing.

Paste in your description for each of the technologies you researched.

Search Engine: Indeed

1. Job Title: Web Developer

Tech, Tool, or Term: jQuery

Definition or Description: jQuery is a cross-platform JavaScript library designed to simplify the client-side scripting of HTML. It is free, open-source software using the permissive MIT License. Web analysis indicates that it is the most widely deployed JavaScript library by a large margin. jQuery's syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications.

What Role It Plays: jQuery serves as a library to utilize during web development (HTML).

1. Job Title: Web Application Developer

Tech, Tool, or Term: Developing SOAP based Web Services

Definition or Description: **Web services** are of two kinds: Simple Object Access Protocol (**SOAP**) and Representational State Transfer (REST). **SOAP** defines a standard communication protocol (set of rules) specification for XML-**based** message exchange. **SOAP** uses different transport protocols, such as HTTP and SMTP.

What Role It Plays: SOAP is a communication protocol to help with the calling of web services.

1. Job Title: Front End Web Developer

Tech, Tool, or Term: Continuous Integration

Definition or Description: In software engineering, continuous integration is the practice of merging all developer working copies to a shared mainline several times a day.

What Role It Plays: Working with other developers, CI allows for the latest changes to a single code base.

1. Job Title: Front End Web Developer

Tech, Tool, or Term: Test Driven Development

Definition or Description: **Test**-**driven development** (TDD) is a software **development** process that relies on the repetition of a very short **development** cycle: requirements are turned into very specific **test** cases, then the software is improved to pass the new **tests**, only.

What Role It Plays: TDD is a process and technique that prioritizes the position that we give to unit tests.

1. Job Title: Backend Developer

Tech, Tool, or Term: Integration Testing

Definition or Description: A **testing** process that exercises a software **system's** coexistence with others. With multiple **integrated systems**, assuming that each have already passed **system testing**, SIT proceeds to **test** their required interactions.

What Role It Plays: Important approach to testing to ensure all modules are working together and allowing the proper transfer of data.

1. Job Title: Backend Developer

Tech, Tool, or Term: RESTful APIs

Definition or Description: Delivery system between applications, databases, and devices to deliver data.

What Role It Plays: Bridges data between systems e.g. menu and data from another system.

1. Job Title: JavaScript Developer

Tech, Tool, or Term: JSON

Definition or Description: A text format that is completely language independent. Easy to read for humans and easy to parse for computers.

What Role It Plays: Used to transmit data between a server and a web or mobile application. A light weight alternative to XML.

1. Job Title: JavaScript Developer

Tech, Tool, or Term: AngularJS

Definition or Description: AngularJS is a JavaScript-based open-source front-end web application framework mainly maintained by Google and by a community of individuals and corporations to address many of the challenges encountered in developing single-page applications.

What Role It Plays: Allows developers to create rich, dynamic, and fast single-page apps where all of a site’s content is loading on a single page, and then certain sections are revealed thru clickable links. The browser builds the final html page which causes much faster load times.

1. Job Title: Node Developer

Tech, Tool, or Term: React

Definition or Description: JavaScript Library or Framework. It serves as a library for creating user interfaces.

What Role It Plays: Developer can use React as an alternative to Angular so as to create an interface for purposes such as dynamic content.

1. Job Title: Node Developer

Tech, Tool, or Term: Microservice Architecture

Definition or Description: An architectural style in which large, complex software applications are composed of one or more smaller services.

What Role It Plays: Allows for fast development and deployment of standalone loosely coupled services. Language independent services are focused on a single business function, and can have their own independent implementation strategy.