Assignment #2 My Future Job...I think

**Search for Web Developer**

Full Stack Web Developer:

* “Solid foundation of core programming skills in MySQL, PHP and JavaScript”

Web Developer (PHP)

* “Responsible for web and mobile development in PHP, Python, and JavaScript”

**Search for Front End Web Developer**

Front End Web Developer/Software Engineer II

* “ Experience in agile, professional SW development environments utilizing revision control, test driven development, and continuous integration is desired.”
* “Ensure user defined UI requirements are captured in front end design”
* “Use Fuse CM system software infrastructure (Git, Trac, Jenkins, Peer Reviews)”

**Search for Back End Developer**

Web Developer - Back End

* “Fluency in object oriented design and general clean coding practices”
* “Experience with one or more languages, C++, Python, Perl, PHP, Java, etc,”
* “Experience with RDBMS systems, bonus points for MySQL”
* “Experience with modern revision control systems, prefer Git”

**Search For JavaScript Developer**

Front End JavaScript Developer

* “Javascript libraries such as jQuery and underscore”
* “MVC and MVP”
* “Experience with D3.js is a plus”

**Definitions**

1. MySQL : is an open-source relational database management system (RDBMS)
2. PHP: is a general-purpose scripting language that is especially suited to server-side web development, in which case PHP generally runs on a web server. PHP usually creates dynamic web page content or dynamic images used on websites or elsewhere.
3. SW development environments: SW=software development. In computer program and software product development, the development environment is the set of processes and programming tools used to create the program or software product.
4. UI requirements: UI-user interface;  UI = User Interface. A document that captures the details of the software user interface into a written document. The specification covers all possible actions that an end user may perform and all visual, auditory and other interaction elements.
5. Object oriented design: OOD: the concept that forces programmers to plan out their code in order to have a better flowing program. It is similar to C. C++ is one of the most popular languages primarily utilized with system/application software, drivers, client-server applications The purpose of C++ is to precisely define a series of operations that a computer can perform to accomplish a task. Most of these operations involve manipulating numbers and text.
6. Python: A scripting language like PHP, Perl, Ruby, etc. It can be used for web programming and also can be used for desktop applications. Python can also be translated into binary code like java.
7. Perl: Perl 5 is used for system administration, network programming, finance, bioinformatics, and other applications, such as for GUIs. It has been nicknamed "the Swiss Army chainsaw of scripting languages" because of its flexibility and power, and also its ugliness. GUI’s = Graphical User Interface
8. Java: Java is a computer programming language. It enables programmers to write computer instructions using English-based commands instead of having to write in numeric codes. It’s known as a high-level language because it can be read and written easily by humans.
9. RDBMS systems: A relational database management system (RDBMS). A program that allows you to create, update, and administer a relational database. Most relational database management systems use the SQL language to access the database. A *relational database* is a type of database. It uses a structure that allows us to identify and access data *in relation* to another piece of data in the database. Often, data in a relational database is organized into tables.
10. MVC & MVP

MVC: Model View Controller: Controller is responsible for determining which view to display in response to any action including when the application loads. This differs from MVP where actions route through the View to the Presenter. In MVC, every action in the View correlates with a call to a Controller along with an action. In the web each action involves a call to a URL on the other side of which there is a Controller who responds.

MVP: Model View Presenter: the Presenter contains the UI business logic for the View. All invocations from the View delegate directly to Presenter. The Presenter is also decoupled directly from the View and talks to it through an interface. This is to allow mocking of the View in a unit test.