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Pre-work assignment #1

1. **MongoDB** is an open source database that uses a document-oriented data model. **MongoDB** is one of several database types to arise in the mid-2000s under the NoSQL banner. Instead of using tables and rows as in relational databases, **MongoDB** is built on an architecture of collections and documents.
2. **Ajax** is a client-side script that communicates to and from a server/database without the need for a post back or a complete page refresh. The best definition I've read for **Ajax** is “the method of exchanging data with a server, and updating parts of a web page – without reloading the entire page.”
3. Apache **Solr** is an open source search platform built upon a Java library called Lucene. **Solr** is a popular search platform for Web sites because it can index and search multiple sites and return recommendations for related content based on the search query's taxonomy.
4. **Agile** software development refers to a group of software development methodologies based on iterative development, where requirements and solutions evolve through collaboration between self-organizing cross-functional teams.
5. **AngularJS** is a structural framework for dynamic web apps. It lets you use HTML as your template language and lets you extend HTML's syntax to express your application's components clearly and succinctly. **AngularJS's** data binding and dependency injection eliminate much of the code you would otherwise have to write.
6. .**NET** Framework (pronounced dot **net**) is a software framework developed by Microsoft that runs primarily on Microsoft Windows. Microsoft also produces an integrated development environment largely for .**NET** software called Visual Studio.
7. **Heroku** is a cloud platform as a service supporting several programming languages that is used as a web application deployment model.
8. **React** is a declarative, efficient, and flexible JavaScript library for building user interfaces. **React** has a few different kinds of components, but we'll start with **React**. Component subclasses: class ShoppingList extends **React**.
9. **Perl** is a family of script programming languages that are similar in [syntax](http://searchcio-midmarket.techtarget.com/definition/syntax) to the [C](http://searchwinit.techtarget.com/definition/C) language, including Perl 5 and Perl 6. Perl is an open source, general-use, [interpreted](http://whatis.techtarget.com/definition/interpreted-script) language.
10. An **Oracle** database system—identified by an alphanumeric system identifier or SID[[6]](https://en.wikipedia.org/wiki/Oracle_Database#cite_note-6)—comprises at least one [instance](https://en.wikipedia.org/wiki/Database) of the application, along with data storage. An instance—identified persistently by an instantiation number comprises a set of operating-system [processes](https://en.wikipedia.org/wiki/Process_(computing)) and [memory](https://en.wikipedia.org/wiki/Computer_data_storage)-structures that interact with the [storage](https://en.wikipedia.org/wiki/Computer_data_storage). Typical processes include PMON (the process monitor) and SMON (the system monitor). Oracle documentation can refer to an active database instance as a "shared memory realm".