Week 13 Research

How do web APIs work? Why are they useful?

Before I get to know how web APIs work, I think I need to know what a web API is. API is short for application programming interface. API are rules that decide how 2 machines interact with one another. When we use apps on our phones like Discord, we are interacting with several different APIs. We the user first tells the application what to do, then the application will use an API to then ask the web server to do something. The use of APIs helps people accomplish things more efficiently. Apparently, Amazon's rise in popularity was due to APIs helping them progress faster than any other competitors.

Source:

https://tray.io/blog/how-do-apis-work

What is Maven and why do we use it? What problems does it help solve?

Maven is a project built tool that is very common used for Java Application. Maven helps us pull dependencies very easily in an xml format and further helps us build our project. We use it because it helps developers understand the development effort in a short amount of time. It makes the building process easy, provides an organized build system, provides quality information, and encourages better development practices. One of the better development practices that maven provides is the assist in workflow on the projects you work on.

Source:

https://www.youtube.com/watch?v=F7vVKbdqk7g

https://maven.apache.org/what-is-maven.html

What is your favorite thing you learned this week?

My favorite thing I learned this week was just working on the homework this week. It introduced a new tool which is Spring Tool. Trying to get used to Spring Tool and starting to build an application with it was pretty interesting.