Agile: umbrella

Scrum: works with 7-10 groups of people

Putting out a product to test it, and make it correct before it is sent out as its full product.

Waterfall is a methodology, which trickles down from the top to the bottom.

Experts layout the plan and it goes down to the employees implement it.

The Industrial Revolution is the best example of Waterfall Project Management.

14% of waterfall projects were successful

57% were challenged or on time, on budget and with all features

29% failed

Agile: Individuals and Interactions, over process and tools

Working software over comprehensive documentation

Customer Collaboration over contract Negotiation

Responding to change over following a Plan

Scrum, Crystal, XP, TDD, Kangan, Rup

Sitting down with your customers can make them feel important, and you will get feedback that will make your product better only if we listen.

Scrum:

Empirical vs. Theoretical

Learn as we go, not going to look at the time it takes.

Plan for Change, Embrace change

Embrace (Use, Inspect, and Adapt model)

Multiple managers within a group with every contributing

Roles:

Product Owner – single wringable neck, prioritizing, so that people can get behind the mission

Scrum Master – Servant leader, focus on the team and not yourself

- scheduling, timing (time box – makes efficiency),

The Team – Self-organizing, Cross Functional teams (developers should learn how to test and other abilities.)

Artifacts = 3:

Product Backlog

Sprint Backlog – things that need to be done within the sprint

Potentially Shippable Product Increment, “this is professional time.”

Backlog is a living thing, and must be constantly improving.

Sprint review: is looking at the product with the product owner showing off your product to the customer

Node – is backend and very fast

Pinged a server, node backend stuff

Great for real-time applications(chat apps).

Allows us to use JS as a full stack language – server to client

Allows us to easily communicate with a database.

* Node modules: putting codes into packets
* Var http = require(‘http’)
* Require is for an import into a file
* S.O.C. – separation of concerns