Agile

Sometimes good enough is good enough. Then once you have something you can make incremental improvements. With each round of development the product becomes better and better; includes more and more features; becomes simpler; more streamlined; increases usability; improves design...you get the idea.

What are some examples of produces you use where you can think of these stages happening?

What devices do you use? Which web browsers? Apps? Games? Vehicles?

Consider the first iPhone, it wasn’t the best phone on the market, it wasn’t the fastest, it couldn’t do as many things, it wasn’t available on all cellular networks, and now look at it. That’s the idea, you get something useable out there and then you can keep working on making it better and better.

The world of software development has created some processes and tools that facilitate project management and goals. Those developments are useful in many different contexts. They rely on the roles of the team and provide a framework for the work that needs to be done; how long it should take; and who is responsible for the various tasks.

You may have heard the terms Agile and Scrum. We will **briefly** cover those terms before we get into some options for you to manage your work.

# Frameworks

## Agile

[Agile](https://en.wikipedia.org/wiki/Agile_software_development) focuses on iterative (repetition of process) development. It’s a philosophy and a set of principles. It’s an agreed upon method for teams to work together. Like the name implies, it’s flexible and results in better teamwork and products. It changes the focus on what teams work on. Constant progress and movement forward is the idea while making a manageable set of tasks for your group members.

## SCRUM

[Scrum](https://en.wikipedia.org/wiki/Scrum_(software_development)) is an Agile framework that organizes the team and development. You know what? Let’s just watch this: <https://youtu.be/2Vt7Ik8Ublw>

Breaking up a large projects into smaller projects and being able to see your progress as you move forward makes it much more likely that you will actually end up with something on schedule that has all of the required elements. It’s okay if you don’t have all the specifics right now, we’ll do that later as you work with the project management tools.

# Tools

## Kanban

[Kanbanchi](https://kanban-chi.appspot.com/dashboard) is a tool that can be accessed with a Google account. It provides project management

Once you get into your account you can click on the Tips & Tricks feature that will create a Kanban board loaded with examples and strategies for various use cases. Click on the first item and it walks you through the features of the board and how to use it. (This will take you roughly an hour to experiment with and learn the platform. Make sure to share your board with your instructor.

[Kanbanchi Tutorials](https://www.youtube.com/playlist?list=PLeKebXXFFKM6Seuooq146y1J83zZ45M5t)

## Trello

[Trello](https://trello.com/en-US) is a simplified version of this. It works great if you just need something to keep your own work organized. While you can add team members, there aren’t quite as many features as Kanbanchi. Make sure that you share your board with your instructor. See the quick [video overview](https://youtu.be/tVooja0Ta5I) (turn down your audio, the music can be annoying.) The next video in that playlist is an hour long tutorial if you think that will be useful.