Technology learning phase

# 1. The technologies we’ve chosen:

- Front-end: Single Page Website using ReactJS

- Back-end: NodeJS

- Database: MongoDB, Mongoose

- Version Control System: Git, Github

- Team management software: Jira

# 2. Learning plan:

We plan on learning a new technology and its basics weekly/biweekly (depending on the difficulty of that technology), and it will go as follows:

Technology #1:

* The basics of Jira so that we can start effectively delegating tasks and managing the project.

Technology #2:

* The basics of web development, JavaScript as well as ReactJS so we can start building a skeleton of the website even if it lacks most of the functionality, we’ll know what to focus on.

Technology #3 & #4:

* Learning both the basics of NodeJS and the basics of MongoDB and Mongoose to effectively integrate them.

Technology #5:

* We already know the basics of Git and GitHub from previous courses so we’ll spend this time trying to perfect our knowledge and use it as effectively as possible.

# 3. Resources:

## Jira:

* [Jira Course | Intellipaat](https://www.youtube.com/watch?v=uM_m6EzMg3k&ab_channel=Intellipaat)
* [Jira Documentation](https://confluence.atlassian.com/jira061/jira-101)

## ReactJS (and web dev):

* [Complete Intro to Web Development, v3](https://frontendmasters.com/courses/web-development-v3/)
* [Getting Started with JavaScript, v2](https://frontendmasters.com/courses/getting-started-javascript-v2/)
* [Complete Intro to React, v8](https://frontendmasters.com/courses/complete-react-v8/)

## NodeJS:

* [Node.js Tutorial for Beginners](https://youtu.be/TlB_eWDSMt4)

## MongoDB:

* [MongoDB Crash Course](https://www.youtube.com/watch?v=ofme2o29ngU&ab_channel=WebDevSimplified)
* [Mongoose Crash Course - Beginner Through Advanced](https://www.youtube.com/watch?v=DZBGEVgL2eE&ab_channel=WebDevSimplified)

## Github / Git:

* [Git for Professionals Tutorial - Tools & Concepts for Mastering Version Control with Git](https://www.youtube.com/watch?v=Uszj_k0DGsg&ab_channel=freeCodeCamp.org)

# 4. Conclusion about the effective ways of self-learning:

Self-learning can be very useful as it requires discipline and proper motivation, which will translate to the retention of information. It needs to be done in a structured manner and doing it in a group will help as we can hold each other accountable and therefore accelerate the speed at which we’ll learn.