

## Sprint 5 Planning

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**Team:** Dipto Thursday 10:30 Group 8

**Sprint:** Sprint 5

**Date:** 12/10/21

**Scrum Master:** Kartik Kumar (S3788894)

**Development team:** Aaron Fisher (S3840619), Oliver Hale (S3781403), Shrestha Ghosh (S3805530).

## Sprint Overview

*Sprint Goal: To provision the portal on a cloud environment so that it is easily accessible to users and general cleaning up of code & deployment. Finishing up internal code testing and preparing application for alpha release and concurrently preparing for beta release.*

**Sprint Duration:** 2 Weeks

**Sprint Capacity:** *The team can complete all documentation and design within the given time and work for an estimate of 50 hours in 2 weeks with given experience in development, documentation, and design.*

**Special Circumstances:** N/A

## Team vision for the sprint

*In planning for this sprint our team added the following items to our sprint backlog to complete within the allocated 2-week period:*

*Item: Dockizing the final added microservices*

**Explanation:** Final packaging of every microservice so that everything is tightly bundled and loosely coupled. Pushing every microservice as an image to dockerhub and finishing the final docker-compose file and testing it.

**Estimated Story points:** 5

**Why:** Having a common platform for this portal is key to make it simple to run this portal from anyone's machine and from anywhere.

*Item: Configuring final deployment on AWS EC2*

**Explanation:** Finalising CI/CD from CircleCI to deploy the portal to AWS EC2

**Estimated Story points:** 5

**Why:** The code should deploy every time a new change is added to the master branch what this essentially does is that every time we want to release we don't have to go ahead and create builds



*Item: Final Refactoring of Codebase + Adding documentation*

**Explanation:** Getting rid of all the unrequired code while making sure every line of code is in accordance to the industry standards. General coding errors to be avoided like Magic numbers. Adding documentation and increasing code readability

**Estimated Story points:** 8


**Why:** Making the code readable for any future developers and cleaning the code so that everything is deployed as it should and navigating through code isn't an issue

*Item: Final unit testing + integration testing + Acceptance testing*

**Explanation:** Implement all integration and unit tests in the code base to test every small little functionality of individual components as well as these components working together. Test documentation as well.

**Estimated Story points:** 8

**Why:** To make sure every components of the code is working individually and together as one unit.

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