Team Contributions: POC
Software Engineering

Team 15, SyncMaster
Kyle D'Souza
Mitchell Hynes
Richard Fan
Akshit Gulia
Rafeed Iqbal

This document summarizes the contributions of each team member up to the POC Demo. The time period of interest is the time between the beginning of the term and the POC demo.

1 Demo Plans

For information on our POC demonstration plans see the *Proof of Concept Demonstration Plan* section of the Development Plan.

2 Team Meeting Attendance

Student	**Meetings**
Total	16
Kyle D'Souza	16
Mitchell Hynes	16
Richard Fan	16
Rafeed Iqbal	12
Akshit Gulia	14

There is no exact number, but many of our meetings end up being unplanned or planned on very short notice, so it is understandable that there will be a decent number of these where some group members do not attend simply because we didn't give much heads up about the meeting.

3 Supervisor/Stakeholder Meeting Attendance

Student	Meetings
Total	2
Kyle D'Souza	0
Mitchell Hynes	2
Richard Fan	2
Rafeed Iqbal	2
Akshit Gulia	1

Kyle missed one of the stakeholder meetings due to a previously discussed scheduling conflict.

4 Lecture Attendance

Student	Lectures
Total	9
Kyle D'Souza	7
Mitchell Hynes	8
Richard Fan	7
Rafeed Iqbal	2
Akshit Gulia	7

There were two lectures at the beginning of the term that were not recorded as teams were not yet formed. After talking to the team it seems everyone was present, so everyone is considered as present for these two lectures.

5 TA Document Discussion Attendance

Student	Lectures
Total	3
Kyle D'Souza	3
Mitchell Hynes	3
Richard Fan	3
Rafeed Iqbal	3
Akshit Gulia	3

6 Commits

Student	Commits	Percent
Total	326	100%
Kyle D'Souza	79	24.2%
Mitchell Hynes	128	39.3%
Richard Fan	52	16.0%
Rafeed Iqbal	45	13.8%
Akshit Gulia	22	6.7%

The numbers found here come from the contributor insights on the GitHub repository.

7 Issue Tracker

Student	Authored (O+C)	Assigned (C only)
Kyle D'Souza	35	25
Mitchell Hynes	77	29
Richard Fan	6	20
Rafeed Iqbal	1	21
Akshit Gulia	3	17

In terms of issues authored the reason it is so imbalanced is because generally when assigning work for a deliverable we will all have a call and Mitchell will create issues and assign them to people (but we are all agreeing on whats being created and who its being assigned to). Recently Kyle did this as well which is why his issues created is also very high. To our knowledge issues can't be co-authored, so it leads to that disproportionate issue creation statistic.

8 CICD

We will use Github Actions to run unit tests and linters on the project on every pull request, to ensure consistency of code formatting and that code added in a pull request does not break the functionality of our application. There will also be a GitHub Action to run automated end-to-end tests in the development environment for our project, this is also to ensure correctness of the project while testing the whole system rather than individual units of the system. This action will be run only after deployments into the development environment.

There will also be a build and deploy action for deploying our application into its development and production environments.

Currently we also have a GitHub action for checking the formatting of our LaTeX documents, which helps ensure consistent formatting.

9 Additional Metrics

9.1 Pull Request (PR) Merges

Student	**PR's Merged**
Total	104
Kyle D'Souza	31
Mitchell Hynes	24
Richard Fan	20
Rafeed Iqbal	18
Akshit Gulia	11

This metric takes into account the number of pull requests merged that a student authored. It can be put off a bit if someone took over a pull request after it was authored, but our team has not done this very much, so the statistic should be accurate. This

9.2 Pull Request (PR) Reviews

Student	**PR's Reviewed**
Kyle D'Souza	69
Mitchell Hynes	8
Richard Fan	49
Rafeed Iqbal	5
Akshit Gulia	1

This metric takes into account the number of pull requests reviewed by a student which they did not author. The reason for disclusion of pull requests the student authored is that often reviews by a student on their own pull request is just responding to a comment, or putting a small annotation, which is helpful, but is not what we are trying to gather from this metric.