

Team Contributions: POC Chest Scan

Team 16, Ace
Harrison Chiu
Hamza Issa
Ahmad Hamadi
Jared Paul
Gurnoor Bal

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 our capstone project, we will produce a research paper that aims to introduce innovations in the classification of chest X-ray images using CNNs and other deep learning techniques. Along with the research paper and its associated findings, we will deliver a viable web application that stakeholders can use to conduct experiments based on our research and the machine learning model we've developed. The main feature we will demonstrate is the neural network taking in a chest x-ray scan and make disease predictions on it. The full-stack application will display this output.

2 Team Meeting Attendance

[For each team member how many team meetings have they attended over the time period of interest. This number should be determined from the meeting issues in the team's repo. The first entry in the table should be the total number of team meetings held by the team. —SS]

| Student | Meetings |
|---------------|----------|
| Total | 4 |
| Ahmad Hamadi | 4 |
| Harrison Chiu | 4 |
| Hamza Issa | 4 |
| Gurnoor Bal | 4 |
| Jared Paul | 4 |

[If needed, an explanation for the counts can be provided here. —SS]

3 Supervisor/Stakeholder Meeting Attendance

[For each team member how many supervisor/stakeholder team meetings have they attended over the time period of interest. This number should be determined from the supervisor meeting issues in the team's repo. The first entry in the table should be the total number of supervisor and team meetings held by the team. If there is no supervisor, there will usually be meetings with stakeholders (potential users) that can serve a similar purpose. —SS]

| Student | Meetings |
|---------------|----------|
| Total | 2 |
| Ahmad Hamadi | 2 |
| Harrison Chiu | 2 |
| Hamza Issa | 2 |
| Gurnoor Bal | 2 |
| Jared Paul | 2 |

[If needed, an explanation for the counts can be provided here. —SS]

4 Lecture Attendance

[For each team member how many lectures have they attended over the time period of interest. This number should be determined from the lecture issues in the team's repo. The first entry in the table should be the total number of lectures since the beginning of the term. —SS]

| Student | Lectures |
|---------------|----------|
| Total | 9 |
| Ahmad Hamadi | 5 |
| Harrison Chiu | 6 |
| Hamza Issa | 5 |
| Gurnoor Bal | 6 |
| Jared Paul | 5 |

[If needed, an explanation for the lecture attendance can be provided here. —SS]

5 TA Document Discussion Attendance

[For each team member how many of the informal document discussion meetings with the TA were attended over the time period of interest. —SS]

| Student | Lectures |
|---------------|----------|
| Total | 0 |
| Ahmad Hamadi | 0 |
| Harrison Chiu | 0 |
| Hamza Issa | 0 |
| Gurnoor Bal | 0 |
| Jared Paul | 0 |

[If needed, an explanation for the attendance can be provided here. —SS]

6 Commits

[For each team member how many commits to the main branch have been made over the time period of interest. The total is the total number of commits for the entire team since the beginning of the term. The percentage is the percentage of the total commits made by each team member. —SS]

| Student | Commits | Percent |
|---------------|---------|---------|
| Total | 10 | 100% |
| Ahmad Hamadi | 2 | 20% |
| Harrison Chiu | 2 | 20% |
| Hamza Issa | 2 | 20% |
| Gurnoor Bal | 2 | 20% |
| Jared Paul | 2 | 20% |

[If needed, an explanation for the counts can be provided here. For instance, if a team member has more commits to unmerged branches, these numbers can be provided here. If multiple people contribute to a commit, git allows for multi-author commits. —SS]

7 Issue Tracker

[For each team member how many issues have they authored (including open and closed issues (O+C)) and how many have they been assigned (only counting closed issues (C only)) over the time period of interest. —SS]

| Student | Authored (O+C) | Assigned (C only) |
|---------------|----------------|-------------------|
| Ahmad Hamadi | 3 | 2 |
| Harrison Chiu | 3 | 2 |
| Hamza Issa | 3 | 2 |
| Gurnoor Bal | 3 | 2 |
| Jared Paul | 3 | 2 |

Everyone had different issues assigned and closed, but in the end it came out to everyone having the same number.

8 CICD

The team uses CI pipelines to check the code before being merged into the protected `main` branch. `flake8` and `isort` are the two Python linters that ensure our code style follows the PEP 8 style guide and is free of static errors. There is also the `black` formatter to ensure all our code is formatted in a readable and visually appealing manner. Another CI pipeline runs for JavaScript code. It is composed of ESLint and Prettier to ensure that JavaScript code is formatted nicely and is free of static errors.