Team Contributions: POC
Software Engineering

Team #22, TeleHealth Insights
Mitchell Weingust
Parisha Nizam
Promish Kandel
Jasmine Sun-Hu

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

In the proof of concept demonstration, the team will showcase an interactive interface that displays the front camera of the device to detect and respond to specific visual inputs. When a user places their face in front facing view of the camera, the application will recognize when the user uses hand gestures in view of the camera, or when multiple faces are detected in the view. The interface will provide feedback by displaying what action it detects below the displayed camera feed within 3 seconds of the action itself.

2 Team Meeting Attendance

Student	**Meetings**
Total	7
Mitchell Weingust	7
Jasmine Sun-Hu	7
Parisha Nizam	7
Promish Kandel	7

3 Supervisor/Stakeholder Meeting Attendance

Student	Meetings
Total	6
Mitchell Weingust	6
Jasmine Sun-Hu	6
Parisha Nizam	5
Promish Kandel	5

Promish and Parisha each missed one meeting when they were sick. All team members attended supervisor and stakeholder meetings when the circumstances allowed it. If a team member missed a meeting, they caught themselves up by reviewing meeting notes and talking with other teammates.

4 Lecture Attendance

Student	Lectures
Total	12
Mitchell Weingust	11
Jasmine Sun-Hu	10
Parisha Nizam	9
Promish Kandel	6

All members of the team missed the lecture on September 10th, as it was the Mechatronics specific lecture. Mitchell was the delegate for the group on the October 23rd lecture, as the rest of the group had a midterm directly following.

5 TA Document Discussion Attendance

Student	Lectures
Total	3
Mitchell Weingust	3
Jasmine Sun-Hu	3
Parisha Nizam	3
Promish Kandel	3

6 Commits

Student	Commits	Percent
Total	187	100%
Mitchell Weingust	48	25.66%
Jasmine Sun-Hu	62	33.15%
Parisha Nizam	32	17.11%
Promish Kandel	45	24.06%

The total number of commits involve all branches merged to main.

7 Issue Tracker

Student	Authored (O+C)	Assigned (C only)
Mitchell Weingust	143	40
Jasmine Sun-Hu	11	43
Parisha Nizam	3	44
Promish Kandel	4	37

For the authored issues, Mitchell was elected to create the issues for the team for organizational purposes. Assigned issues are distributed evenly, disparities are due to cases where when dividing the workload one team member is assigned a few larger sections, and another is assigned multiple smaller sections.

8 CICD

- GitHub Actions will be used to create and manage continuous integration workflow scripts.
  - Running a code linting tool and automatically enforcing style guides
  - Restricting the ability to merge pull requests that do not meet our coding standards
  - Perform PR check: PR template is filled correctly such as correct labels and issues are linked properly to PR.
  - Ensure that the code builds successfully on each push
- If all tests pass, and at least one team members review the pull request, the branch can be approved and merged into the main branch.

- The lead developer will ensure all necessary code is covered by automated tests.
- A rollback strategy will be included in the CD pipeline in case the project needs to be reverted to a previously stable state.

The CI/CD will be used further to run more unit tests for PRs's once developed from MIS in the VnvPlan as well as automatically adding applicable labels to PRs based on the code change.

9 Productivity

We have the following metrics that we will track to ensure optimal productivity from each team member

- Attendance: 95% of all team meetings
- Commits: At least 3 meaningful commits per Deliverable (Meaningful means: 10-15 lines of code (minimum) changed per commit)
- Confirm review of all documents prior to submission
- Confirm review of all rubric criteria prior to submission

As of November 6th 2024, all Productivity criteria has been met.

- Attendance: 95% of all team meetings

  2 team members have been to 100% team meetings, with 2 members missing 1 meeting due to health reasons.

- Commits: At least 3 meaningful commits per Deliverable (Meaningful means: 10-15 lines of code (minimum) changed per commit).

  We have had 5 deliverables so far, Problem Statement, Development Plan, SRS, Hazard Analysis and VnV. A minimum of 3 commits was required meaning a total of 15.

  Each team members total number of commits is well above 15, with an average of 47 commits across team members.

- Confirm review of all documents prior to submission

  All team members meet on a review call to go through document prior to submission

- Confirm review of all rubric criteria prior to submission

  All team members meet on a review call to go through document prior to submission while comparing it to the rubric criteria