Team Contributions: Rev 0
SFWRENG 4G06 Capstone Design Project

Team #18, InfiniView-AI
Anhao Jiao
Kehao Huang
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Qi Shu
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1 Demo Plans

The team will showcase a working prototype of the Motion Mingle video conferencing platform to demonstrate the basic functionalities and user experience. The presented prototype is intended to include the following functionalities and behaviours:

- A user interface for practitioner clients and instructor clients.
- The ability to broadcast the annotated video stream from the instructor to multiple practitioner clients.
- The ability to configure the desired annotation from each practitioner client.
- A SFU server that processes the video stream from the instructor, renders visual effects through machine learning pipelines, and broadcasts annotated video streams to practitioner clients according to their configuration.

2 Meeting Attendance

Student	Meetings
Total	26
Qi Shu	26
Xunzhou Ye	26
Qianlin Chen	26
Kehao Huang	26
Anhao Jiao	26

3 Lecture Attendance

Student	Lectures
Total	2
Qi Shu	2
Xunzhou Ye	2
Qianlin Chen	2
Kehao Huang	2
Anhao Jiao	2

4 Commits

The number of commits in the main branch:

Student	Commits	Percent
Total	4	100%
Anhao Jiao	4	100%
Kehao Huang	4	100%
Qianlin Chen	4	100%
Qi Shu	4	100%
Xunzhou Ye	4	100%

The number of commits in the main branch of our project is not a accurate indicator of the team member contributions. As we squash all the commits in pull requests.

The number of commits in unmerged branches:

Student	Commits	Percent
Total	19	100%
Anhao Jiao	2	10.5%
Kehao Huang	2	10.5%
Qianlin Chen	3	15.8%
Qi Shu	16	84.2%
Xunzhou Ye	4	21.0%

Works in our project is distributed as we discussed. Certain parts of the project may require more work than others, Members who work on those parts will have more commits. As well as research contributions can not be reflected by the number of commits.

5 Issue Tracker

Student	Authored (O+C)	Assigned (C only)
Qi Shu	27	21
Xunzhou Ye	21	21
Qianlin Chen	1	21
Kehao Huang	1	21
Anhao Jiao	1	21

Qi Shu and Xunzhou Ye, in their roles as team leaders, bear the responsibility of documenting lecture notes and strategizing for project deliverables. In cases of their unavailability, other team members will assume these responsibilities.

6 CICD

In our project, the CI/CD process is implemented using GitHub Actions, as defined by the workflow `Action-Test-Demo`. This workflow is triggered on pushes to the `main` and `develop` branches. The CI/CD pipeline is centered around ensuring coding standards, running unit tests, and conducting comprehensive regression tests for each pull request. The workflow is named dynamically using the GitHub actor's name, indicating who initiated the run, with a playful rocket emoji to signify progress.

The job `APP-Test` runs on the latest Ubuntu runner and tests the application in the `src/client/src` directory. It's designed to support multiple versions of Node.js, specifically 16.x and 18.x, ensuring compatibility and robustness across different environments. The steps include checking out the code, setting up

the Node.js environment, installing dependencies with `npm install`, and then executing tests using `npm test`.

This CI/CD process emphasizes quality and collaboration by requiring approvals from at least two team members for review, and necessitates the successful execution of all defined GitHub actions before merging into the main branch. This approach ensures high standards in code quality and functionality, fostering a reliable and efficient development workflow.