Team Contributions: POC
Software Engineering

Team 5, GradSight
Willie Pai
Wajdan Faheem
Henushan Balachandran
Hammad Pathan
Zahin Hossain

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 POC Demo Plans

We will be demonstrating two key interfaces within GradSight:

Client Interface: This is the primary user-facing interface that allows alumni, students, and faculty to interact with the digital composites. Users will be able to search, filter, and view composites by graduation year, program, or individual names. This demonstration will showcase the ease of navigation and functionality of GradSight's main interface.

Admin Privilege Area: This interface is reserved for authorized administrators to upload new composite files and manage existing data. The demonstration will include the file upload process and basic administrative controls, highlighting the role-based access restrictions that ensure data security and proper management of sensitive information.

These demonstrations will focus on the functionality and usability of the client interface and the secure access and efficiency of the admin upload area, reflecting the essential components of GradSight's core purpose.

2 Team Meeting Attendance

Student	Meetings
Total	8
Willie Pai	8
Henushan Balachandran	8
Wajdan Faheem	8
Hammad Pathan	8
Zahin Hossain	8

3 Supervisor/Stakeholder Meeting Attendance

Student	Meetings
Total	1
Willie Pai	1
Henushan Balachandran	1
Wajdan Faheem	1
Hammad Pathan	1
Zahin Hossain	1

We have been talking to the stakeholder, Meggie MacDougall, discussing the scope and objectives of the project and its compatibility as a capstone. We provided requirements and problem statement with the issue at hand and were able to gather insights on the complexity of the final scope.

4 Lecture Attendance

Student	Lectures
Total	12
Willie Pai	6
Henushan Balachandran	6
Wajdan Faheem	6
Hammad Pathan	6
Zahin Hossain	6

5 TA Document Discussion Attendance

Student	Lectures
Total	3
Willie Pai	2
Henushan Balachandran	2
Wajdan Faheem	2
Hammad Pathan	3
Zahin Hossain	2

6 Commits

Student	Commits	Percent
Total	19	100%
Willie Pai	12	63.16%
Henushan Balachandran	1	5.26%
Wajdan Faheem	5	26.32%
Hammad Pathan	1	5.26%
Zahin Hossain	0	0%

Commit does not showcase contribution as we had specific people make the commit everytime the document was submitted. We equally contributed to the document just as anyone can make the commit.

7 Issue Tracker

Student	Authored (O+C)	Assigned (C only)
Willie Pai	4	22
Henushan Balachandran	0	25
Wajdan Faheem	34	24
Hammad Pathan	6	25
Zahin Hossain	0	20

8 CICD

1. Frontend Pipeline: This repository, built with React and Vite, is set up with a continuous integration/continuous delivery (CI/CD) process using

GitHub Actions. Every time code gets pushed or a pull request is created, GitHub Actions steps in to automatically run a set of checks. This includes testing with Vitest, which helps catch bugs by running automated tests, and Prettier to keep the code well-formatted and readable. TypeScript type checking is included to ensure type safety, catching potential errors before they cause issues. ESLint rounds things off by enforcing coding standards and identifying any potential code issues. With all these tools working together, the CI/CD setup helps keep the codebase clean and error-free, making merging and deployment smoother and faster.

2. Back-end Pipeline: This will incorporate PyTest on a code level. With good practices, CI can be followed with unit testing on every new feature. Additionally, performance testing can be added for database query operations to visualize behaviour of DAL calls.

3. Testing Environments: TBD – Will have its own testing style. Will follow some type of integration testing to mimic production level traffic