

Team Contributions: Rev 0 McMaster Engineering Society Custom Financial Expense Reporting Platform

Team #12, Reimbursement Rangers

Adam Podolak

Evan Sturmey

Christian Petricca

Austin Bennett

Jacob Kish

This document summarizes the contributions of each team member for the Rev 0 Demo. The time period of interest is the time between the POC demo and the Rev 0 demo. (November 14th, 2024 - February 11th, 2025)

1 Demo Plans

During the demonstration, we will showcase the fully finished system, highlighting its core functionality and user workflows. This will include demonstrating how users can seamlessly access and utilize the various request systems, such as submitting, reviewing, and processing financial requests. We will walk through the platform's key features, emphasizing its modular structure, backend functionality, and user-friendly interface. Additionally, we will illustrate how the system effectively handles error validation, data storage, and streamlined communication between different modules to ensure a smooth and efficient user experience. This demonstration will reflect the system's readiness for deployment and its ability to meet the specified requirements.

2 Team Meeting Attendance

Student	Meetings
Total	6
Adam Podolak	6
Evan Sturmey	6
Austin Bennett	6
Christian Petricca	6
Jacob Kish	5

3 Supervisor/Stakeholder Meeting Attendance

Student	Meetings
Total	2
Adam Podolak	2
Evan Sturmey	2
Austin Bennett	2
Christian Petricca	2
Jacob Kish	2

4 Lecture Attendance

Student	Lectures
Total	2
Adam Podolak	2
Evan Sturmey	1
Austin Bennett	2
Christian Petricca	0
Jacob Kish	0

5 TA Document Discussion Attendance

Student	Lectures
Total	1
Adam Podolak	1
Evan Sturmey	1
Austin Bennett	1
Christian Petricca	1
Jacob Kish	1

6 Commits

Student	Commits	Percent
Total	249	100%
Adam Podolak	62	25%
Evan Sturmey	50	20%
Austin Bennett	86	34%
Christian Petricca	31	13%
Jacob Kish	20	8%

Note: Christian's commit history might be lower than deserved due to him taking charge of the DB (uncommittable work)

7 Issue Tracker

Student	Authored (O+C)	Assigned (C only)
Adam Podolak	32	13
Evan Sturmey	6	10
Austin Bennett	26	10
Christian Petricca	0	9
Jacob Kish	0	10

8 CICD

For the reimbursement platform, CICD will streamline development by automating testing, integration, and deployment processes. GitHub Actions will

serve as the foundation for this CICD pipeline. Whenever code changes are pushed or a pull request is made, GitHub Actions will trigger workflows to automatically run tests, build the application, and verify code quality.

Through this automated testing and validation, we can ensure new code does not introduce bugs, enhancing reliability. After successful tests, GitHub Actions can deploy updates to a staging environment, and eventually to production. This automated cycle allows the team to focus on feature development, reduces manual work, and ensures consistent and reliable deployments, resulting in a faster, more stable development workflow for the platform.