

Project Report

Group Information

Group ID: G-24

GitHub Repository Address: [ucl-comp0010-2024/G-24java created by GitHub Classroom](https://github.com/ucl-comp0010-2024/G-24java)

Backend Folder Location: [G-24java/StudentManagementSystemBackend at main · ucl-comp0010-2024/G-24java](https://github.com/ucl-comp0010-2024/G-24java/tree/main/Backend)

Frontend Folder Location: [G-24java/student-management-system-frontend at main · ucl-comp0010-2024/G-24java](https://github.com/ucl-comp0010-2024/G-24java/tree/main/frontend)

Group Members

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Contribution Scores

Jack Pan: 120

Wesley Xu: 120

Aiden Li: 120

Extensions Summary

The following extensions have been implemented to enhance the functionality of the project:

- Role-based access control (Student/Staff/Admin portal with feasible data access).
- Token-based authentication management with automatic token refresh handling.
- Comprehensive data import/export features, including import from CSV file and PDF transcript generation.
- Interactive data tables with searching and filtering capabilities.
- Data visualization, statistics of academic records and student performance.

Issues (Solved)

During the development of this project, some issues were encountered, including redundant API calls during CSV import operations. These issues have been identified, and suggestions for resolution have been provided.