Department of Computer Science
Faculty of Computing

# Declaration Page

## Individual Contribution

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| **Programme** | : | Bachelor of Computer Science (*Data Engineering*) |
| **Subject Code** | : | SECP3723 |
| **Subject Name** | : | System Development Technology |
| **Session-Sem** | : | 2023/2024-1 |

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| **Prepared by** | : | 1. Aliatul Izzah Binti Jasman |
| | | 2. Maisarah Binti Rizal |
| | | 3. Nadhrah Nursabrina Binti Zulaini |
| | | 4. Mulyani Binti Saripuddin |

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| **Section** | : | 02 |
| **Group** | : | munchkin |

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| **Lecturer** | : | Dr. Ahmad Najmi Bin Amerhaider Nuar |

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| **Date** | : | 2 February 2024 |

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# Individual Contribution

1. **Aliatul Izzah Binti Jasman**

   During the development of the Student Management System, I was assigned to develop the subsystem for user profiles and rewards.

   For the profile module, I have created the view interface for the user to see their current personal information. In addition to the profile view interface, I have implemented the functionality for users to edit and modify their personal information. This allows users to keep their personal information updated which optimizes the usage of the management system. Not only enhances the reliability of the user profiles but also contributes to the overall data accuracy of the Student Management System since the personal information from the students will be viewed by the coordinator of events and activities.

   For the rewards subsystem, I designed and implemented features for the specific roles which are master admin and client to create and modify the existing rewards. I integrated security measures where only the main authorized user, that is master admin is the only role that can delete any existing rewards. I have conducted thorough testing of both of my modules with my teammates to identify any issues and improve my modules.

   In addressing Maisarah's issue with the dashboard subsystem where she can not manage to retrieve quantitative data from the database, I helped her to build the interface of the dashboard for the master admin and the client. This collaborative problem-solving technique not only fixed the immediate issue but also encouraged information and problems exchange among team members to develop the system.

   In conclusion, my commitment to the development of the Student Management System went beyond the individual tasks. I actively participated in team discussions, especially with Mulyani, and helped each other to develop the system successfully.

## 2. Maisarah Binti Rizal

During the development of our system, I took on a key role in implementing critical features, specifically the "Forgot Password" functionality and the design and implementation of the dashboard.

In order to ensure a simple and safe process for users who forget their passwords, I oversaw the development of the "Forgot Password" feature. In order to accomplish this, the user interface for password recovery had to be designed. Additionally, backend logic for token generation and confirmation emails had to be implemented, and the entire reset process had to be secured. The intention was to give users a dependable and easy way to get back into their accounts.

Apart from the "Forgot Password" feature, I made a substantial contribution to the development of the user dashboard. This included developing the interface, adding functionalities to show pertinent user data, and making sure the user interface operated easily and intuitively. For users to access and manage their system activities, the dashboard acts as a central hub.

In addition to my own contributions, I actively worked with my teammates, offering help and encouragement when required. This involved contributing to team discussions, resolving issues, and exchanging ideas to improve the development process as a whole. I wanted to contribute to the team's overall success as well as my own tasks by creating a collaborative environment.

### 3. Nadhrah Nursabrina Binti Zulaini

Within the collaborative framework of the Student Management System project, my individual contribution was focused on the development and refinement of the Resume Module, a critical component essential for students to showcase their qualifications and achievements effectively. My primary responsibilities encompassed various aspects of the module's functionality, including template fixing, and data integration from the Profile Module.

First and foremost, my role involved refining the resume templates to ensure they met the project's requirements and provided users with a professional and visually appealing format for their resumes. This task required meticulous attention to detail and an understanding of design principles to create templates that effectively presented users' information.

Additionally, integrating data from the Profile Module into the Resume Module was a significant aspect of my contribution. My task was to smoothly integrate the Profile Module, created by a different team member, which contained vital user data into the resume templates. This involved coding and implementation tasks to retrieve and display the relevant profile information accurately within the resume templates.

To guarantee the stability and dependability of the Resume Module, I placed a high priority on developing clear, effective, and well-documented code throughout the development process. Collaboration and effective communication were essential to the project's success. I took an active part in team meetings and discussions, giving updates on the Resume Module's development and resolving any issues or problems that came up. Effectively collaborating with fellow team members, especially those involved in the Profile Module, contributed to a smooth and project-aligned data integration process.

In conclusion, my individual contribution to the Student Management System project, specifically within the Resume Module, involved a combination of design, coding and implementation tasks aimed at providing users with a comprehensive and

user-friendly tool for creating and sharing their resumes. Through meticulous attention to detail and effective collaboration with team members, I contributed to the overall success of the project by delivering a robust and functional Resume Module.

### 4. Mulyani Binti Saripuddin

Within the collaborative framework of the Student Management System project, my primary focus centred on key modules crucial to the system's core functionality. Primarily, my responsibilities included the development of the registration, login, feedback, and activity, along with various coding and implementation tasks.

The Registration Module served a distinctive purpose, allowing users to register for available activities rather than creating user accounts. This unique functionality was seamlessly integrated into the system, offering a user-friendly experience for selecting and participating in various activities. The module involved meticulous design, incorporating stringent data validation measures to ensure a smooth interaction between users and the Activity Module.

Simultaneously, the Login was crafted to provide a secure authentication mechanism. Integrating login processes with robust security features, I implemented session management to guarantee a seamless and protected user experience during logins and activity registrations.

For the Feedback Module and Activity Module, initially not designated to me, I undertook the coding tasks for these components. The Feedback Module saw the creation of an intuitive interface for submitting and viewing feedback, ensuring stringent validation measures for data integrity. Similarly, for the Activity Module, I seamlessly integrated activity-related data with other system components, guaranteeing a cohesive user experience.

Beyond these modules, my involvement extended to broader coding and implementation tasks. I prioritized writing clean, efficient, and well-documented code, conducting thorough testing and debugging to identify and resolve issues promptly.

Effective collaboration and communication were integral to project success. Actively participating in team discussions and meetings, I ensured alignment with project goals, collaborating seamlessly with team members working on different modules to ensure overall system coherence. Timely updates on module progress and addressing emerging challenges were crucial aspects of my role in maintaining project momentum.