CSC 3402
COMPUTER ARCHITECTURE & ASSEMBLY LANGUAGE

Smart Refrigerator System
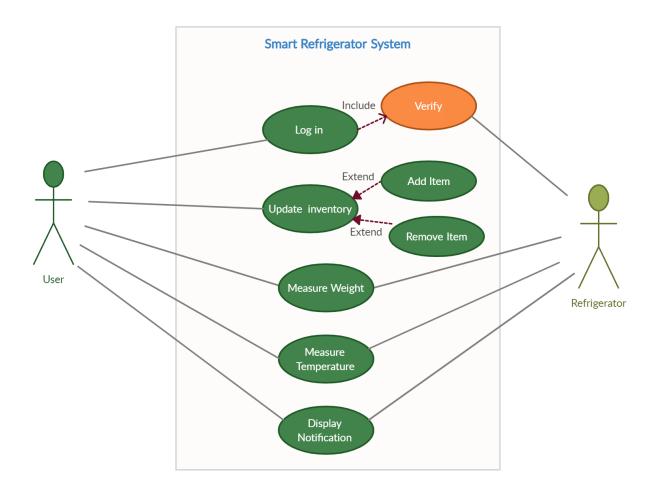
Group Members:

Name	Matric
Md Sariful Islam	1626667
Khan Nasik Sami	1638153
Zian Md Afique Amin	1631005
Jaki Fayek Alvi Rahman	1721485

Supervisor:

Asst. Prof. Dr Hafizah Binti Mansor

Use Case diagram

Smart Refrigerator System

- Log in
- Verify
- Include
- Add Item
- Extend
- Update inventory
- Extend
- Remove Item
- Measure Weight
- Measure Temperature
- Display Notification

User

Refrigerator

Work Distribution

This project includes preparing and making flowchart, use-case diagram, coding in assembly language, preparing reports, making video presentations, and editing the presentation video. Our work distribution is based on these tasks.

1. Project flowchart is made by **Sariful Islam** with discussion & collaboration of all members.

2. Project use-case diagram is prepared by **Sariful Islam** with discussion & collaboration of all members, after conducting a meeting and designing in hard copy.

3. Coding part will be the responsibility of all members. We will split the code in 4 modules.

      I.   **Nasik Sami** – Will do the user login and authentication part.

      II.   **Sariful Islam** - Will do the Inventory management part.

      III.   **Zian Md Afique Amin** - Will do the temperature sensor part.

      IV.   **Jaki Fayek Alvi Rahman** – Will do the weight sensor part.

      Later we all will meet together on combining all the modules together.

4. Report would be prepared by **Zian Md Afique Amin** and **Jaki Fayek Alvi Rahman** with the consultation of everyone in the group.

5. Presentation video parts would be made individually after deciding on consistency. Then all the videos would be edited by **Khan Nasik Sami** with the input and suggestions of everyone.