

**TRIMESTER March/April, 2025**

**Cxx …. xxxxxxxxxxxxxxxxxx**

**PROJECT / ASSIGNMENT**

**TOPIC: ………..**

| Name | Student ID | Course |
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|  |  |  |
| Sim Boon Xun | 242UC2451H | Bachelor of Computer Science |
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# Context Object

1. Student

* Users who need to navigate the campus efficiently.
* Access event schedules and facility updates.

1. MMU Staff (Admins)

* Manage event postings and update facility information.
* Maintain system data integrity.

1. Notification

* Notify student all event, class schedule, and campus news
* Filter the notification by type.

1. Facilities

* Elevators, parking areas, accessible toilets.
* Real-time updates on their operational status.

1. Events and Activities

* Campus events that might affect accessibility.
* Student club meetings and university-organized activities.

1. Navigation System

* Maps, route planning, and real-time updates.

| **Object** | **Role/Responsibility** | **Interaction with System** |
| --- | --- | --- |
| Student | Users who need to navigate the campus efficiently. Access event schedules and facility updates. | Use the application to find accessible routes, receive event information, and get notifications about facility changes. |
| MMU Staff (Admins) | Manage event postings, update facility information, and maintain system data integrity. | Post events, update maintenance schedules, and manage campus navigation data through the admin panel. |
| Notification | Deliver timely updates and important information to users, including class schedules, event updates, and campus news. | Fetch data from the backend (class schedules, event updates, news) and display notifications based on user preferences (e.g., only class updates or event changes). Allow users to customize which notifications they receive. |
| Facilities | Represent physical elements such as elevators, ramps, parking areas, and accessible toilets. | Provide real-time operational status and maintenance updates. Display availability and accessibility through the system |
| Events | Represent scheduled campus events and activities that may impact accessibility. | Update the navigation system with information about event locations, accessibility provisions, and disruptions. |
| Navigation System | Central feature providing route planning and accessibility guidance. | Integrate data from the university’s databases and provide real-time, accessible routing. |

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