**ITM Project- Student Location**

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| Divine Uloko, Stephanie Ota, Maryam Shah | Mary Rose Donnelly | College details, Student Details, FloorID, RoomID |

**What’s the goal?**

* Get real-time location information from a student card sensor.
* To know how long they’re at the location
* Store and show each student's location history.

**The Info we need to display:**

* **College details-** college location (option of two colleges), course,
* **Student details**- Student ID ,Student Name
* **Floor ID**
* **Room ID**

**What we want our system to do:**

College Details:

- Display data about two college, including name and locations.

- Give the users the option of selecting the college they’re interested in

Student Details:

- Display student information, including ID and name.

- Give the users the option of selecting the name/id

Floor and Room Details:

- Add a dropdown or selection option for floor and room IDs

- Provide information about each level and room, including capacity and availability.

User Interface:

- Filter options to enable users find relevant information-filter by floor id/room id

**Topics:**

College Details:

/college/1/name

/college/2/name

/college/1/location

/college/2/location

Student Details:

/student/\*specific student id\* :topic for showing details of a student

/student/\*specific student id\*/location : topic for real time location updates

Floor and Room Details:

/college/\*college name\*/floor/\*floor id\* : for details of a specified floor

/college/\*college name\*/floor/\*floor id\*/room/\*room id\* : for room capacity and availability

Location Details:

Course Details

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Use Case: