SWE 206

Lab04: Use Case Modeling
Section 53

Semester 232

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contribution percentage = 50 %

1. Derive the Registration System actors.

2. Derive the Registration System use cases

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3. Explore and document the relationships between the actors and use cases.

4. Draw the use case diagram

Actors

- **Student**: Registers for courses, drops courses, and views course schedules.
- **Academic Advisor**: Approves course selections and advises students.
- **Registrar**: Manages course offerings, schedules, and enrollment capacities

Use Cases

- **Register for Courses**: Students select and register for courses each semester.
- **Drop Courses**: Students can drop courses they are currently enrolled in.
- **View Course Schedule**: Students can view their current course schedules.
- **Approve Course Selection**: Academic Advisors approve or reject students' course selections.
- **Manage Course Offerings**: Registrar adds, updates, or removes courses from the catalog.
- **Update Course Schedules**: Registrar schedules course times and assigns classrooms.
- **Manage Enrollment Capacities**: Registrar adjusts the number of available spots in each course.

Relationships

- **Approve Course Selection** extends **Register for Courses**, indicating that registration is subject to approval by an Academic Advisor.
- **View Course Schedule** is a use case available to both **Student** and **Academic Advisor**, showing shared access to information.

Use Case Diagram

University Course Registration System

Student

Academic Advisor

Registrar

Drop Courses

Register for Courses

View Course Schedule

Approve Course Selection

Manage Enrollment Capacities

Update Course Schedules

Manage Course Offerings

Check prerequisite

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