

SWE 363

Web App Project

**Requirements & Design**

*Phase 3*

**Group 12**

Date: XX/10/2023

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# **Main Motivation**

# **Users of the web app**

# **Schedule**

# **Requirements Modelling**

## *Functional requirements*

* + 1. **User Account Management:**
       1. Allow students to register, log in, and manage their accounts.
       2. Provide administrators with tools to manage user accounts.
    2. **Academic Planning:**
       1. Enable students to develop and modify their academic plans.
       2. Allow searching for courses by entering relevant keywords or browsing through different departments.
       3. Provide detailed information about courses, including descriptions, prerequisites, and available sections.
       4. Enable the addition of selected courses to the academic plan.
       5. Check for scheduling conflicts and prerequisite fulfilment.
    3. **Course Resource Access:**
       1. Centralize access to course resources.
       2. Ensure that students can easily find and access the necessary materials for their studies.
    4. **Instructor Evaluations:**
       1. Allow students to provide feedback and ratings for instructors.
       2. Enable searching for instructors or courses to review.
       3. Provide a rating system for various aspects of the instructor's performance.
       4. Offer a platform for textual feedback alongside ratings.
    5. **Administrative Features:**
       1. Grant administrators the capability to moderate content.
       2. Provide tools for handling technical issues and managing the platform.

## *Non-functional requirements and constraints*

### **Internal**

* + - 1. The platform should be user-friendly, ensuring that students can easily navigate and access its features.
      2. The website should load quickly and respond to user interactions without noticeable delays.
      3. User data, especially feedback and ratings, should be securely stored and protected from unauthorized access. Passwords and sensitive data should be encrypted.
      4. The platform should be able to handle many users as the student population grows.
      5. The platform should have high availability, ensuring that students can access it anytime they need.

### **External**

* + - 1. The website should be compatible with various devices, including desktops, tablets, and smartphones.
      2. If the platform integrates with other external tools or platforms, seamless integration should be ensured.
      3. The platform should adhere to educational and online platform regulations, ensuring that user data is handled appropriately.

1. **Use Case Diagram**
2. **Use Cases**

# **Domain Modelling**

# **Navigation Modelling**

# **Low-Fi User Interface Design**

# **References and definitions**