Domain Modelling

Boundary Object

Login Form -

1. Navigate to the login page of the system.
2. Enter the Institute email ID in the designated field.
3. Enter the password in the designated field.
4. Click on the "Log In" button to submit the form.
5. If the email ID and password combination is correct, the user will be directed to their account dashboard.

Course Creation Form -

1. Navigate to the course creation page given in the dashboard.
2. The instructor can add course name, id, student's batch while creating the course.
3. Add the course by clicking the "Create course" button.
4. The instructor can list course details including course prerequisites and description.

Course Enrollment Form -

1. Navigate to the course enrollment page given in the dashboard.
2. Select the desired course from the offered courses list or through the search bar.
3. The student can review course description, prerequisites, learning objectives and the instructor's profile.
4. Complete the form by clicking the "Enroll" button.
5. If the enrollment is successful, the student will receive confirmation and further instructions on accessing the course materials.

Course Details Page-

1. Navigate to the My courses page given in the dashboard.
2. Select the course whose details the student wants to see.
3. The student can access course material provided in the course.
4. The student can see pending assignments and quizzes and submit their work through the "Submit assignment" button.

Student Profile Page-

1. Navigate to the student profile page given in the dashboard.
2. Review personal information such as name, email address, and contact information etc.
3. Update personal information or change password.

Announcement Page-

1. Navigate to the announcement page given in the dashboard.
2. Select the course the student wants to see the announcement for.
3. The student can view the announcement and raise a query either in the announcement comment section or separately.

Entity Object

1. Course information: Information related to a course, such as its name, ID, description and prerequisites.

2. Student information: Personal and academic details of a student, such as name, address, email and enrollment status.

3. Instructor information: Personal and professional details of an instructor, such as name, contact information, teaching experience, and academic qualifications.

4. Enrollment information: Information related to a student's enrollment in a course, including the course name, enrollment date, and enrollment status.

Control Object

1. Authentication controller: This control object manages user authentication and authorization within a system. It verifies user credentials and grants or denies access to protected resources based on their roles and permissions.

2. Course enrollment controller: This control object manages enrolling users in courses. It may include functions such as verifying course prerequisites, managing class sizes, and updating student records upon enrollment.

3. Assignment management controller: This control object creates assignment and sets assignment deadline and points. It manages submissions and marks assignments as late or missed if assignment is submitted past the deadline.