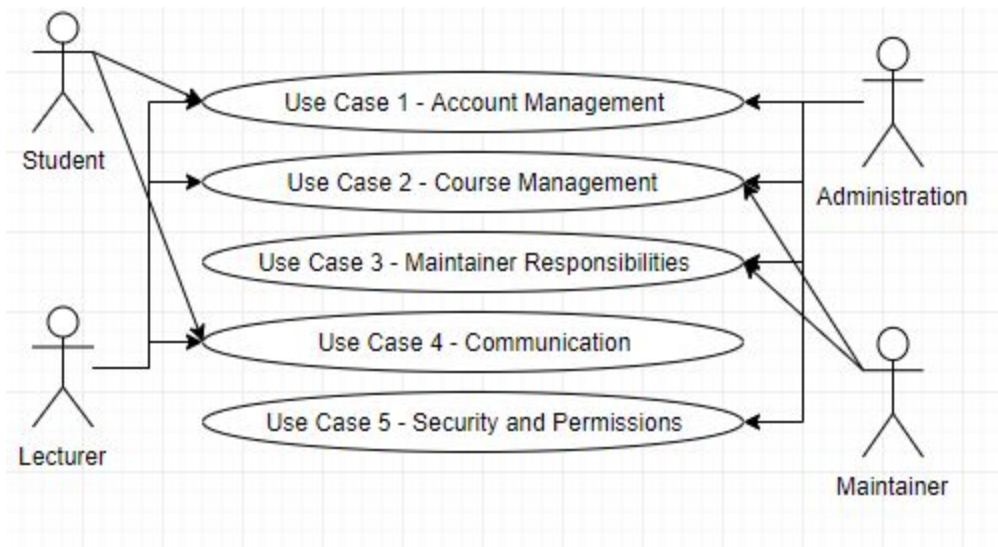Iteration 0: Outlining Use Cases, Quality Attributes, Constraints, and Concerns from the presented requirements in Assignment 2

Use Case ID	(We'll delete this)	Description
UC-1 Account Management	Course Registration, Contact Information, Staff Registration, Manage Teams, User Log In	Through a personal account, a user may access and modify their registered courses, contact information, and active teams. Users may be either students or staff. Administrators have the ability to remove or restrict user accounts, student or lecturer.
UC-2 Course Management	Course History, Upload Files/ Material, Course Collaborations, Create Courses, Manage Grades, Manage Course Prerequisites, Course Student Capacity	Through a course page, a user may view course details such as course history, collaborations, and prerequisites. A course enrolled in allows the user to upload material for assignments and access to their grades. The capacity to which these details are implemented and how is the responsibility of the lecturer.

UC-3 Maintainer Responsibilities	Manage Archive, Manage System Backups, Manage Space Allocation, Secondary University System	Administrator-level users may modify the system from outside the system, archiving discontinued courses and material, managing backups within the last 24 hours, allocating system resources, and interfacing with other universities CMS systems.
UC-4 Communication	Contact Via Mail, notifications	Students enrolled in courses should be able to contact the lecturer of that course via mail. Lecturers should also be able to email their students, individually or by mass-publishing.
UC-5 Security and Permissions		Student-level users may view course history, material, collaborations, grades, and prerequisites from a course page, but not modify. lecturer-Level users may modify the above for specific courses, while administrator-level can modify all courses and their details.

ID	Quality Attribute	Scenario	Associated Use Case

QA-1	Privacy	User's privacy should be protected at all levels. Students should not be able to view grades of other students. Modifications should only be implemented by the owners of the objects modified. User-customizable visibility policy for personal info.	UC-1, 2, 5
QA-2	Availability	The system will be down for at most 4 hours per month. 48 hours prior to scheduled downtime, an announcement will be made. Server downtime only permitted during off peak hours.	UC- 1, 2, 3, 4
QA-3	User friendliness	There is to be an option for multiple languages while accessing the system. All logins are synchronized so that users can access all updated contents that are available to them immediately. A user will only have to go up to 3 folders until they reach the content that they desire.	ALL
QA-4	Accessibility	There is a voice activated option with sound navigation so that users can navigate by simply speaking to the system. Includes page-reading integration.	UC-1, 2, 4, 5

		Passwords have a minimum of 8 characters. Information and passwords are stored in an encrypted server. It's possible to know who updates the server at what time.	UC-1, 2, 3, 5
QA-5	Security		
QA-6	Performance/ Extensibility	Administrators access secondary university systems to synchronize course prerequisites and keep courses up to date.	UC-ALL

Constraint	Description
CON-1	The system should be able to handle at least 50 000 simultaneous users.
CON-2	The system should be accessed through a web browser (Chrome V3.0+, Firefox V4+, IE8+).
CON-3	The system should implement an existing MySQL relational database.

Concern	Description
CNR-1	Establishing System Architecture
CNR-2	Allocate work to members of the development team
CNR-3	Leverage Teams knowledge of Javascript and web-based technologies