

# Team Super Ghost

Iteration 3

*Hudson, Nathaniel - Jansen, Shane - Owens, Kirby - Zumwalde, Zach*

# Vision

(No new updates to vision)

# Requirements

# Requirements

## Use Cases Chosen:

- (UC10) Registrar Add Student
- (UC11) Registrar Add Course
- (UC12) Student/Faculty Uploads Document

# UC10: Add Student

**Scope:** Student Creation System

**Level:** registrar-goal

**Primary Actor:** Registrar

**Stakeholders and Interests:**

- Students: Wants to be able to access NKU-Net.
- Faculty: Wants proper students to be added to NKU-Net.
- Registrar: Wants to be able to add students as fast as possible.
- School: Wants student to be added quickly with little error.

**Preconditions:** User is already enrolled in school

**Success guarantee (or Postconditions):** Student is added and can access NKU-Net.

**Main Success Scenario (or Basic Flow):**

1. Registrar types in student's name and password.
2. System creates student's account.
3. System notifies success in creating user.

**Extensions (or Alternative Flows):**

\*a. At any time, System fails:

1. To ensure security of system, Registrar is logged off and connection is shut off.

2a. Authentication Fails

1. System notifies Registrar of authentication failure.

**Special Requirements:**

- System adds student within 30 seconds, 90% of the time.
- Compatible with all major Internet browsers.

**Technology and Data Variations List:**

\*a. Registrar can use any major web browser (Firefox, Google Chrome, Safari, Microsoft Edge, etc.).

**Frequency of Occurrence:** Could be nearly continuous.

# UC 11: Add Course

**Scope:** Course Creation System

**Level:** registrar-goal

**Primary Actor:** Registrar

**Stakeholders and Interests:**

- Students: Wants to be able to access their course.
- Faculty: Wants their course to be added quickly and accurately.
- School: Wants students/faculty to be able to access their course.

**Preconditions:** Registrar is signed in and authenticated.

**Success guarantee (or Postconditions):** The course is added to the database and the course page is accessible.

**Main Success Scenario (or Basic Flow):**

1. Registrar types in course information.
2. System creates the course.
3. System notifies the Registrar of successful course creation.

**Extensions (or Alternative Flows):**

\*a. At any time, System fails:

1. To ensure security of system, Registrar is logged off and connection is shut off.

2a. Authentication Fails

1. System notifies Registrar of authentication failure.

**Special Requirements:**

- System creates course within 30 seconds, 90% of the time.
- Compatible with all major Internet browsers.

**Technology and Data Variations List:**

\*a. Registrar can use any major web browser (Firefox, Google Chrome, Safari, Microsoft Edge, etc.).

**Frequency of Occurrence:** Could be nearly continuous.

# UC12: Student/Faculty Uploads Document

**Scope:** Upload Document

**Level:** user-goal

**Primary Actor:** Student/Faculty

**Stakeholders and Interests:**

- Student/Faculty: Wants to be able to upload a document to NKU-Net.
- School: Wants documents to be shared among students for collaboration.

**Preconditions:** Student/Faculty is logged into system upon being identified and authenticated.

**Success guarantee (or Postconditions):** Student/Faculty's document is uploaded to NKU-Net.

**Main Success Scenario (or Basic Flow):**

1. Student/Faculty views their profile..
2. Student/Faculty click the upload button.
3. Student/Faculty chooses file(s) from their local machine.
4. Document(s) are uploaded to NKU-Net.

**Extensions (or Alternative Flows):**

\*a. At any time, System fails:

1. To ensure security of system, Student/Faculty is logged off and connection is shut off.

**Special Requirements:**

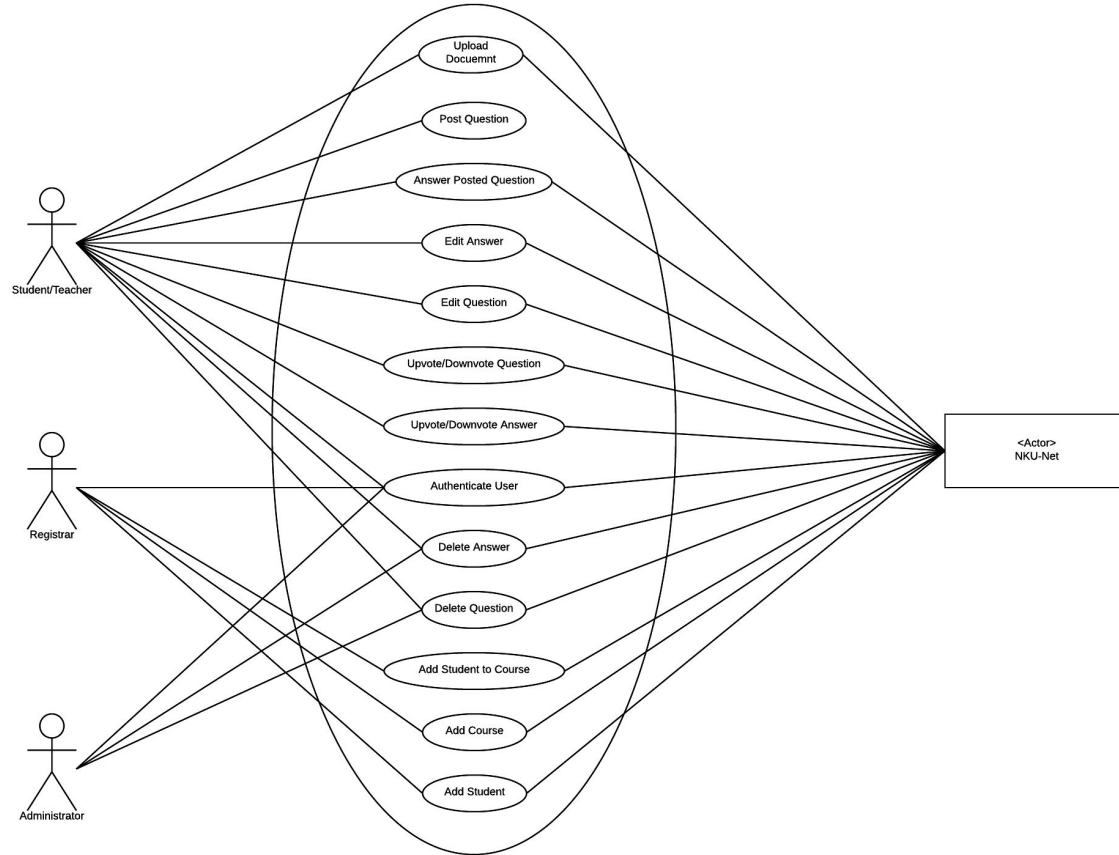
- System uploads document within 30 seconds, 90% of the time.
- Compatible with all major Internet browsers.

**Technology and Data Variations List:**

\*a. Student/Faculty can use any major web browser (Firefox, Google Chrome, Safari, Microsoft Edge, etc.).

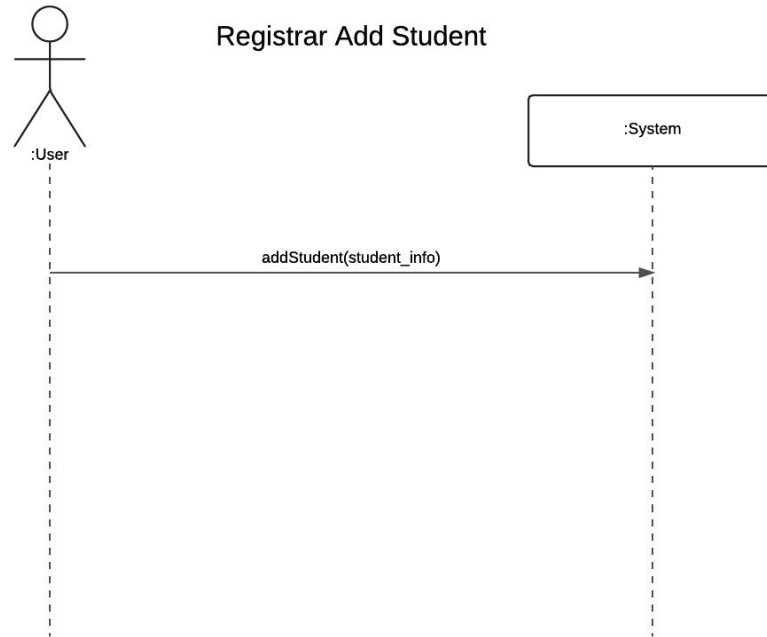
**Frequency of Occurrence:** Could be nearly continuous.

# Use Case Model

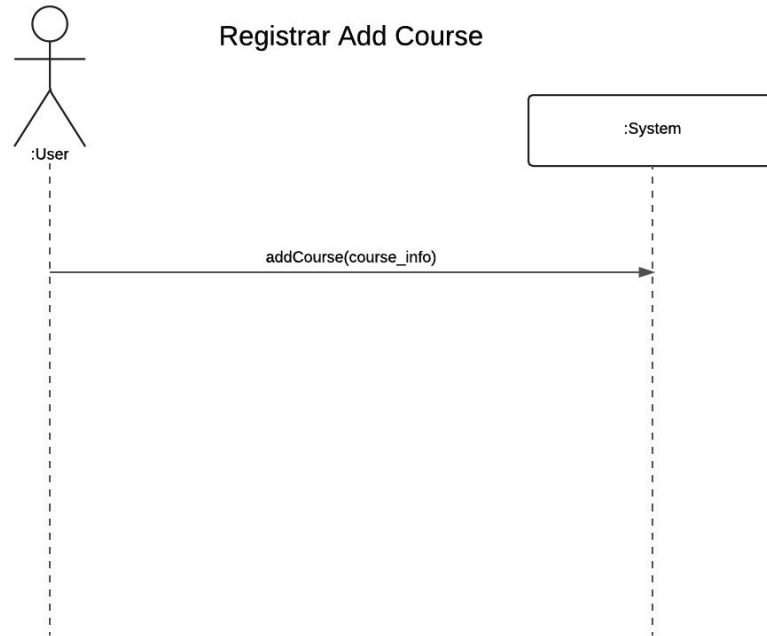




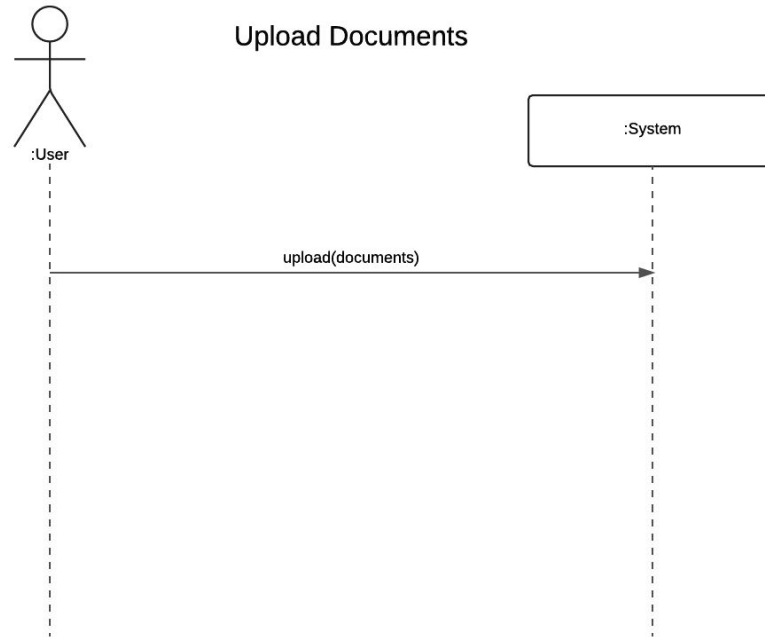
# System Sequence Diagrams



# System Sequence Diagrams



# System Sequence Diagrams



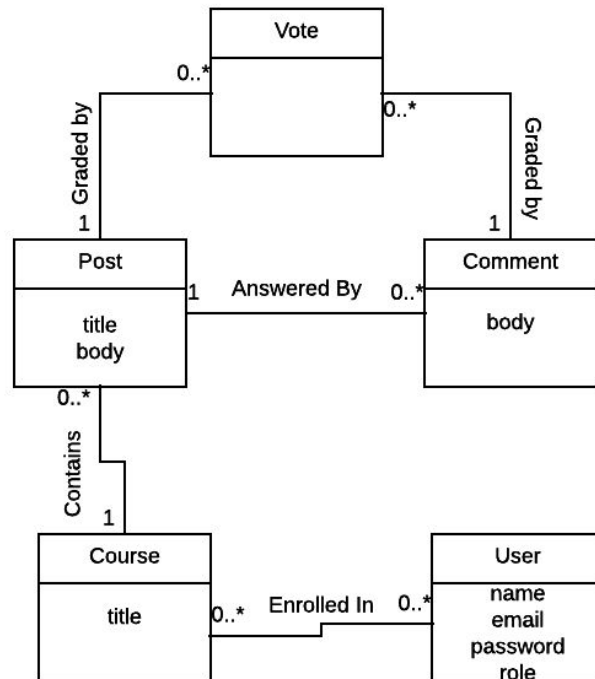
Design

# Design: Overview

- Added uploads table to keep track of which documents were uploaded by which users.
- Added a directory where file uploads will be stored.
- Added role to user table to define Student, Teacher, Admin, or Registrar
- Added user\_id to courses table so a teacher can be assigned to a specific course

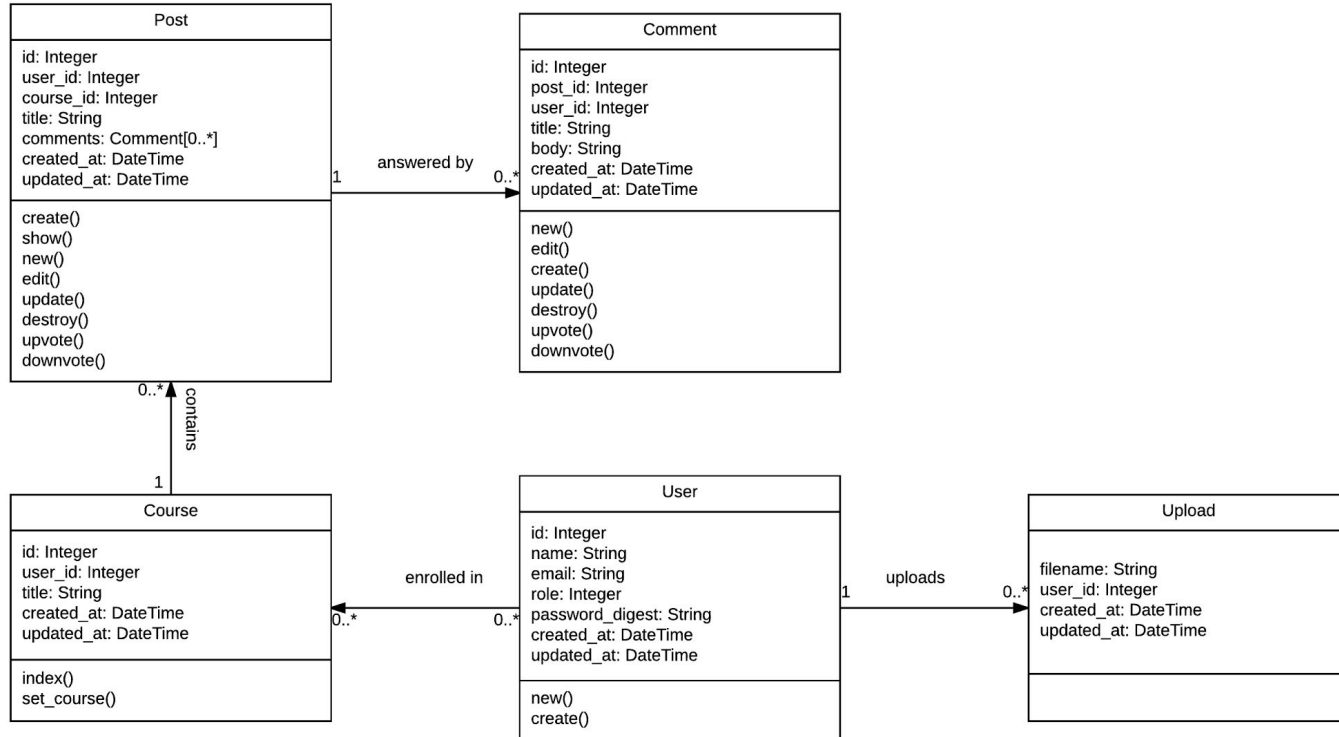
# Domain Model

## Domain Model: Iteration 3

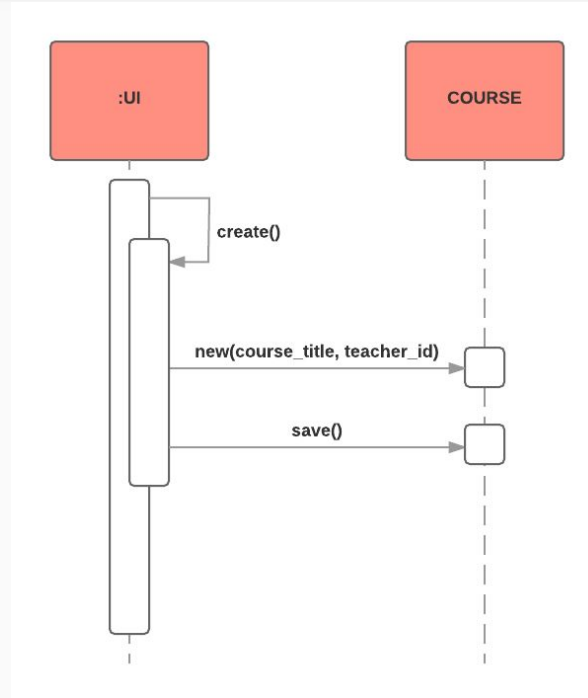


# Design Class Diagram

Design Class Diagram With All Classes & Associations

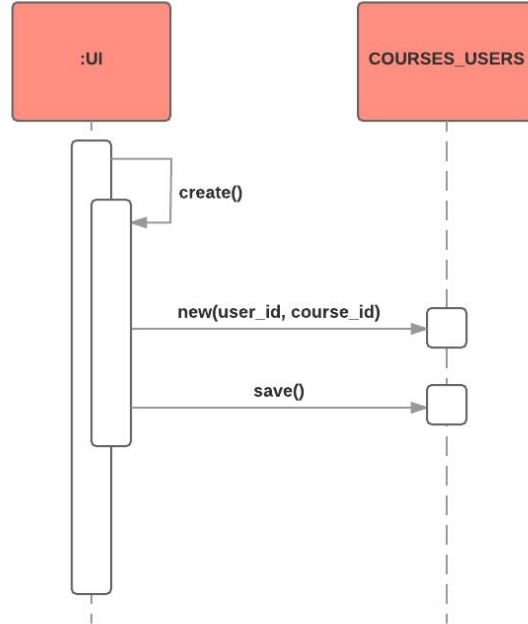


# Design Level Sequence Diagrams - Add Course

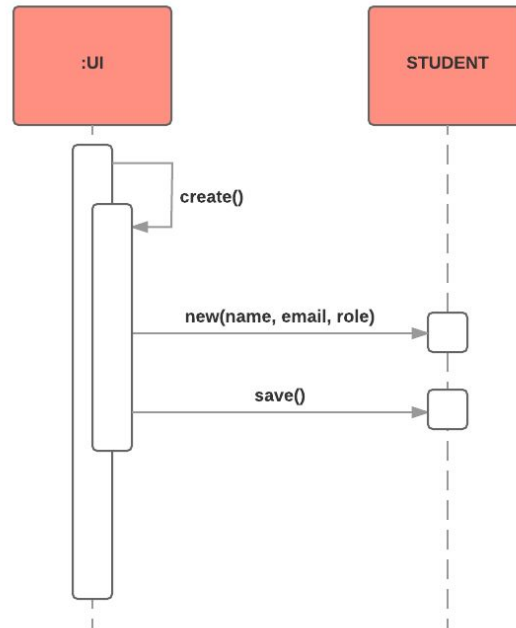




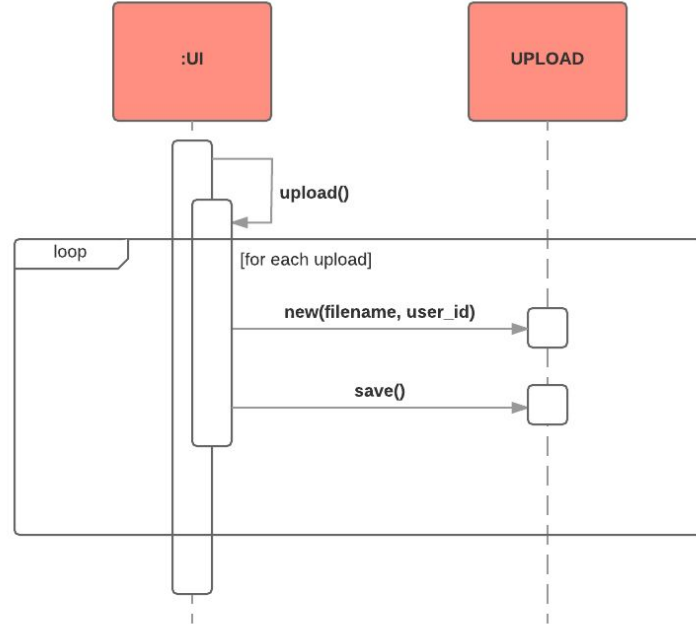
# Design Level Sequence Diagrams - Add Student to Course



# Design Level Sequence Diagrams - Add User



# Design Level Sequence Diagrams - Upload



Demo