

Use Cases

1. Course Management:

1.1 Create Course:

- Actor: Teacher

- Description: The teacher creates a new course, providing essential details such as the course name and the number of chapters.

1.2 View Course Details:

- Actor: Teacher

- Description: The teacher accesses and reviews details of an existing course, including its name and associated chapters.

1.3 Update Course Details:

- Actor: Teacher

- Description: The teacher modifies the details of a course, such as its name or the number of chapters, ensuring accurate representation of course information.

1.4 Delete Course:

- Actor: Teacher

- Description: The teacher removes a course from the system, ensuring the deletion of all associated chapters and questions.

2. Chapter Management:

2.1 Add Chapter to Course:

- Actor: Teacher

- Description: The teacher adds a new chapter to an existing course, providing details such as the chapter title.

2.2 View Chapter Details:

- Actor: Teacher
- Description: The teacher accesses and reviews details of a chapter within a course, including its title and associated questions.

2.3 Update Chapter Details:

- Actor: Teacher
- Description: The teacher modifies the details of a chapter, ensuring accurate representation of chapter information.

2.4 Remove Chapter from Course:

- Actor: Teacher
- Description: The teacher removes a chapter from a course, ensuring the removal of all associated questions.

3. Question Management:

3.1 Create Question:

- Actor: Teacher
- Description: The teacher creates a new question, specifying the question content, all three choices, correct answer, difficulty level, objective type and its chapter belongs to.

3.2 View Question Details:

- Actor: Teacher
- Description: The teacher accesses and reviews details of an existing question, including its content, choices, and associated attributes.

3.3 Update Question Details:

- Actor: Teacher

- Description: The teacher modifies the details of a question, ensuring accurate representation of question attributes [the question text, all the choices, its correct answer, its difficulty level, objective type and even its chapter associated with].

3.4 Delete Question:

- Actor: Teacher

- Description: The teacher removes a question from the system.

4. Exam Design:

4.1 Design Exam:

- Actor: Teacher

- Description: The teacher designs an exam by specifying the total number of questions in the exam, the number of questions per chapter and setting targets for the overall distribution of each difficulty levels and objectives types.