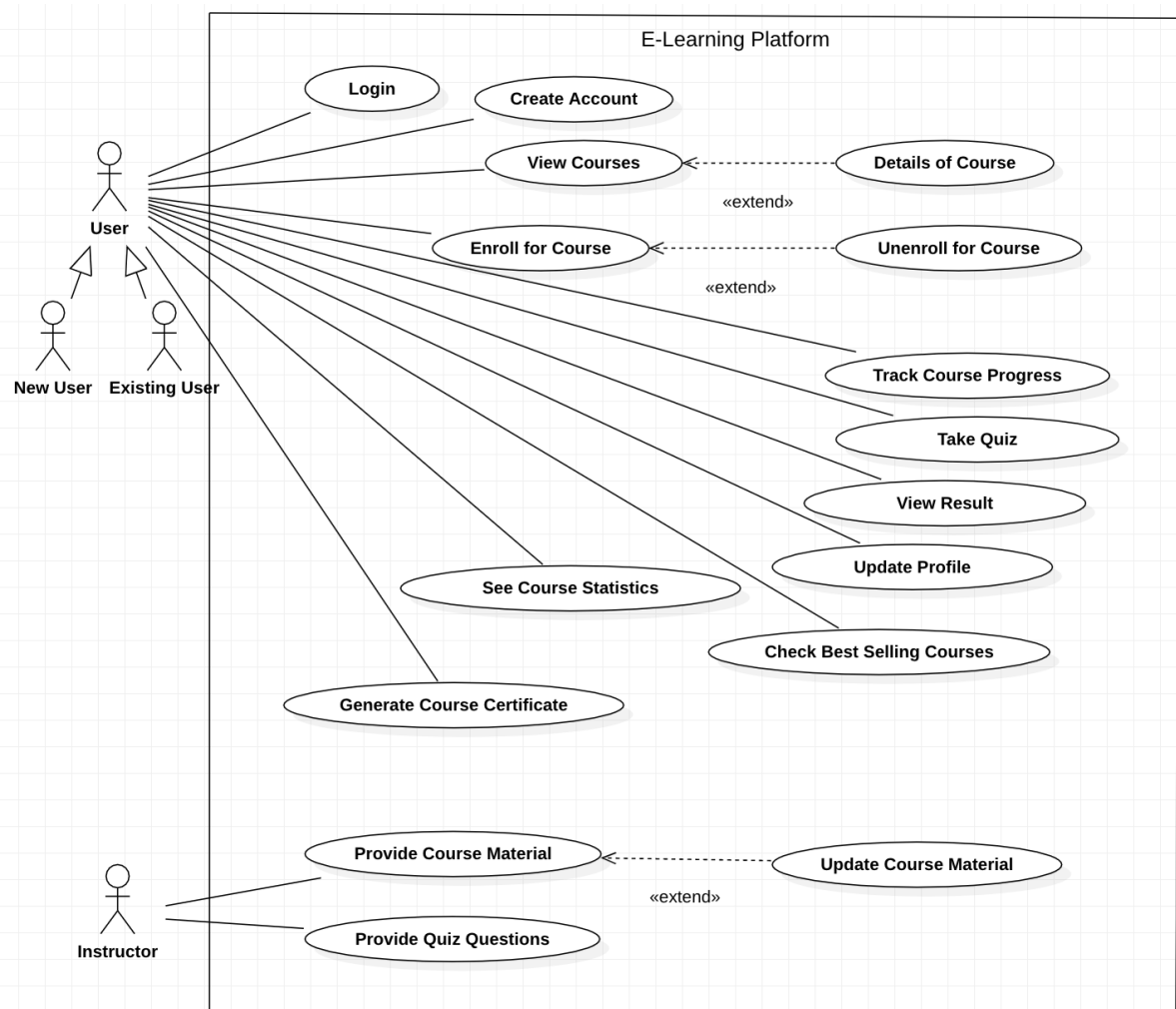Project Title: E-Learning Platform

Team ID: 033_044_045_054

USE CASE DIAGRAM

USE CASE DESCRIPTION

Use Case 1

Name: Upload course material

Summary: The instructor uploads content related to a particular course.

Actors: Instructor

Pre-conditions:

- Instructor must be registered on the platform with appropriate access privileges
- The instructor must be the one providing the respective course

Description:

- Instructor selects button to create new course - fills out details including course title, description and difficulty level
- Instructor uploads video, image and text content to the platform and saves changes
- Will be able to partition this content into sections, based on the corresponding course topic covered

Exceptions

- Upload cancelled
- File formats of uploaded material not compatible
- Power failure / System crash

Alternate Flows

- Instructor selects existing published course and uploads new content / modifies current content

Post-conditions

- Uploaded course material must be available for viewing to all users who have enrolled for the corresponding course

Use Case 2

Name: Track course progress

Summary: User will know how much of the course has been completed and how much is yet to be completed.

Actors: User

Pre-conditions:

- User should be registered on the platform
- User must enroll into a course to keep track of their progress

Description:

- On the dashboard of the application,the user can see their enrolled course
- The user can check how much of the course has been completed and is remaining
- Statistics of their work done with respect to the course is provided

Exceptions:

- Weak internet connectivity limiting access to the course

Alternate Flows:

- If the user chooses to unenroll from a course they won't be able to see anything regarding the course nor their progress of the unenrolled course

Post-conditions:

- The user will be able to view the progress of the course as long as they are enrolled in the course

Use Case 3

Name: Take quiz

Summary: The user attempts a quiz pertaining to the course content.

Actors: User

Pre-conditions:

- The user should be enrolled in the corresponding course

Description:

- The user enrolled in a course starts the quiz by selecting the 'Attempt Quiz' option
- User navigates through quiz questions by clicking on 'Previous' and 'Next'
- User selects answers for each question and clicks 'Finish Quiz' to submit their answers
- Each quiz is available only for that particular course

Exceptions:

- Internet connectivity lost while quiz is being taken
- Server overload - many concurrent users attempting the quiz in the same timeframe
- Questions attempted but final 'Finish Quiz' button not selected to terminate the session

Alternate Flows:

- If the result of the quiz is not above 80%, the user must retake the quiz

Post-conditions:

- User can view results of the quiz after the quiz has been passed