eLearning Portal

Application Overview

You are creating an application that allows teachers to administer courses via a virtual classroom.

Users

User Type	Description
Teachers	Teachers use the system to build courses and curricula as well as assigning and reviewing homework and administering quizzes.
Students	Students can see the available courses and sign up for the ones they are interested in. The system will notify students of newly assigned homework or quizzes.

Minimum Viable Product

The following User Stories are the functionality required to build the "Minimum Viable Product".

All must be completed in order for the project to be successfully completed.

Register

Students and teachers need to be able to create accounts before they can begin using the system

Log In

As a user of the system I need to "log in" so that I can access the functionality that is available to me and view data that is relevant to me.

Create Courses

As a teacher I need the ability to create new courses. Courses should include the following information.
- Name
- Description
- Difficulty Level
- Cost (For now all courses are free)

Create Curricula

As a teacher I need to be able to create a curriculum for each of my courses. A curriculum will include:
- Daily instruction
  - This will include text and links to relevant resources
- Daily Homework assignments
  - Homework could be a form that students fill out or assignments that they must submit.

View Curricula

As a student I want to be able to view the curricula for the courses I am enrolled in so that I can see what topics are coming up and when homework assignments are due.

Homework Submission

As a student, I want to be able to submit homework assignments so that the teacher can grade them.

Homework Submission Notification

As a teacher, I want to be notified when a student submits homework so that I can give them timely feedback on their work.

Course Progress

As a teacher I need to be able to see how each of my students are performing in each of my courses so that I can get help to those that are struggling.

Progress

As a student I need to be able to monitor my progress through my courses so that I can tell if I am falling behind anywhere.

Optional Features

The following User Stories are ideas for optional features that can be added to the application after all MVP functionality is complete.

Create Quizzes (optional)

As a teacher I want to be able to create quizzes so that I can administer them to students at the appropriate points in the course.

Administer Quizzes (optional)

As a teacher I want to be able to begin and close a quiz for a course.

Take Quizzes (optional)

As a student I need to be notified when there is a quiz for me to take so that I don't miss the testing window.

Timed Quizzes (optional)

As a teacher I would like to be able to have quizzes close automatically after a predefined period of time.

Shared Quizzes (optional)

As a teacher I would like to be able to share quizzes with other teachers to that we can collaborate on instructional material.

Instructional Material (optional)

As a teacher I would like to have the ability to embed YouTube videos into my instructional material so that I can more easily explain complex concepts for the course.

Upload Homework (optional)

As a student I want to be able to upload additional files with my homework submissions so that I can use external editors if needed.

Course Forum (optional)

As a student I would like to be able to interact with a forum of my fellow students in my courses so that I can get help from them or provide help to them if needed.

Mobile Friendly Interface (optional)

As a user of the system, I want to be able to visit the site from my mobile device and have the interface react appropriately.