

Team Name: Alma LMS

Members: Stanislaw Jaroszynski

Description: Many of the currently existing LMSs either lack certain features or are clunky and confusing to use. I plan to create a LMS that will combine the best features of the currently available options. It will allow students and teachers to collaborate with each other and amongst themselves. Some of the features I plan on including are an interactive forum with an easy to use RTF input. Most of the current LMSs use either CKEditor or TinyMCE, both of which are relics of the early 2000s web. The current newer options are more fluid, however they lack the features of the older more established RTF editors. I plan on integrating the features needed for an LMS such as easy math input into a newer RTF editor. Other features I plan to include are the ability to give out and grade assignments and online quizzes.

Vision Statement: To create a more intuitive and functional Learning Management System.

Motivation: In the majority of my classes, I use at least 2 different LMSs. This is a hassle for everyone involved and it clearly indicates the inability of any one of the LMSs currently used to handle all the necessary requirements.

Risks: I do not have that much experience with web development and this may cause me to make design mistakes at first.

Risk Mitigation Plan: I plan on doing as much research as possible before coming up with solutions to problems.

Version Control: I will be using git hosted on a private server.

Development Method: I plan on using an Agile based development method. Since I am new to web development, this will allow me to complete bite-sized chunks and see what works.

Collaboration Tool: Not applicable

Proposed Architecture: I plan on using Django for the backend and MySQL for the database. For the frontend, I will use Materialize.css for the html styling, and jQuery for increased JavaScript utility.