

Proposal

Original name: LearningInStyle

New name: Cognita

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For our web application, we want to build an application that involves creating courses for other users to register for and take. Courses on this website can be created by any user and will be available to any and all users that are also using the website. When a user wants to create a course, the application will introduce a UI to create lesson plans, activities for learning the material they put in the lessons, and quizzes and tests. Each course consists of a numbers of lectures and tests. Each lecture consists of some reading material, videos and quiz. Quiz will be done at the end of each lecture. And there will also be some tests for each course. Test is at the same level with lectures, and will be like midterm test or final exam. Both quiz and test allow two types of questions, multiple choice and short answers. Tests and quizzes will be automatically graded by the webapp. For lesson plans, users can enter the information they would like to put in each lesson, and also perhaps put in videos conveying the lesson material. Here, we allow creators to provide url link of videos.

Student can view his or her learning progress for each course and each lecture.

~~On top of being able to register and create courses, there will also be an interactive chat room between the students. Any students that are taking the course can message each other in a chat room and help each other review the material they learned. They may also post messages on a board where the instructors or other peers can answer or clear their doubts.~~

Some other features we are considering are maybe including visualizing course results from all students who took the course (such as overall grade distribution as well as individual quiz and test distribution).

Technology

Web frame: Django with Python 2.7

Database: Sqlite

Deploy to AWS