

Final Report

Team LOT - Ken Wang, XiaoChuang Huang, Mia Ngo

Abstract

The LOT enhanced based on the project we've done this semester, it now contains functionalities to upload/download assignment files and example files, seeing past courses with an integrated ranking system, as well as a feedback endpoint for students to give feedback and use the info for the ranking system.

URL

1. <https://cs4540-a220191206073825.azurewebsites.net/> - Ken
 2. <https://cs4540-a220191206113709.azurewebsites.net/> - Mia
 3. <https://cs4540-a220191206112816.azurewebsites.net/> - Mi
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Introduction

Learning outcomes describe the learning that will take place across the curriculum through concise statements, made in specific and measurable terms, of what students will know and/or be able to do as the result of having successfully completed a course. Thus having a learning outcome system for the professor and the program department is necessary. In order to achieve such a goal, we plan on mainly implementing these functionalities:

2.2.1. **Syllabus/Examples upload/download/preview:**

Based on what we have now, implement a fully functional upload/download system so that professors can keep track of the good/average/bad examples each semester and adjust the course accordingly. As well as having a place besides Canvas to store the course syllabus for each semester.

2.2.2. **Roles adjustment/improvement:**

Since each professor may teach different courses, and a course may be taught by different professors every semester. For the purpose of "generating better learning outcomes", each professor who taught a specific course should have read-only access to all the Los in previous semesters. And hopefully, they can make use of it and get better Los on the way.

2.2.3. **Student feedback page/ranking system:**

While Los is mainly determined by the Professor and the program administrator, students should also take part in the convention of the Los. A feedback page is a good way to know about how the student thinks about each

course every semester. Then we can use the data to sort out the "best" courses that I've been taught, and what kind of syllabus did the professor uses. All is to let professors have a better understanding of what's going good and what's going bad.

2.2.4. Searching for courses

When the system has used for a couple of years, the course data will become a mess. Thus we want a searching tool for each role to find the things they want appropriately, without giving them extra information that they should not see.

Feature Table

Feature Name	Scope	Primary Programmer	Time Spent	File/Function	LoC
Create and Seed Student Feedback Database Table	Back-end	Mia Ngo	7	Controllers/FeedbacksController.cs Data/LOSTextContext.cs Data/LOSTDbInitializer.cs	424
Create and Seed Course Feedback Database Table	Back-end	Mia Ngo	7	Controllers/CourseFeedbacksController.cs Data/LOSTextContext.cs Data/LOSTDbInitializer.cs	572
Add View and improve UI for Student Feedback Survey	UI	Mia Ngo	5	Views/Feedbacks/...	424
Add View and improve UI	UI	Mia Ngo	5	Views/CourseFeedbacks/...	572

for Course Feedback					
Search Button and Auto-complete box	UI	Xiaochuang Huang	2	_Layout and jquery.auto-complete.min.jas	80
Dynamic Search function and Auto-complete function Connect the DB Information	Backend	Xiaochuang Huang	10	Controllers/Home Controllers/Update Site.js	154
Past Courses Button and Past Courses Views	UI	Xiaochuang Huang	2	_Layout Views/PastCourses	73
Past Courses Function	Backend	Xiaochuang Huang	6	Controllers/Courses/PastCourses	68
limit Authorize edits for courses that does not belong to a specific professor	Backend	Xiaochuang Huang	5	Controller/Courses	94
Making the course index sort base on Year-Semester	UI	Ken Wang	2	Controllers/Courses/Index Views/Courses/Index	40
Creating the ranking system	full-stack	Ken Wang	9	Views/FeedBacks/Survey Controller/CourseContr	420

using Mia's FeedBack db				oller/ProfessorDetails Controller/CourseContr oller/Details	
Link files uploaded to progress bar	front-end	Ken Wang	2	Views/Courses/Index Controller/CourseContr oller/Index Controller/CourseContr oller/ProfessorDetails Controller/CourseContr oller/Details	120
Created AppFile model and build endpoints to upload files.	Back-end	Ken Wang	7	Model/AppFile Controller/CourseContr oller/OnPostUpload Controller/CourseContr oller/OnPostUploadExa mple	350
Fixing other issue that other teammates has	Full Stack	Ken Wang	6	Search related files FeedBack related files	Mainly debuggi ng.
Deployment to Azure Cloud	--	Ken Wang	1	See URL	--
Deployment to Azure Cloud	--	Mia Ngo	1	See URL	--
Deployment to Azure Cloud	--	Xiaochuang Huang	1	See URL	--

* (Might not be too accurate since some code is based on modification of a controller/view and it is really hard to keep track)

Individual Contribution

Team Member	Time Spent on Project	Lines of Code Committed
Ken Wang	26 hours	2966 (Including migration files)
XiaoChuang Huang	25 hours	386
Mia Ngo	25 hours	2542 (Including migration files)

Summary

Our team has done a great job implementing the enhanced version of LOT. We communicate often and distribute the work well among each other. There are still some more enhancements that could be done in the future to even further improve the Learning Outcome Tracker website.