University of Nevada, Reno
Department of Computer Science and Engineering

Master CS
Project Part 4 : Progress Demo

Team 01
Crystal Atoz
Kayla Garin
Austin Schrage
Yan Shore
Zhuqi You

Instructors: Dr. David Feil-Seifer and Professor Devrin Lee

External Advisor: Professor Ben Brown and Dr. Bill Doherty

March 14, 2022

Table of Contents

1. List of Implemented Use Cases/Requirements

FR1: User will have the ability to login/logout of the account.
    Austin

FR2: User will have the ability to create an account.
    Austin

FR3: User will be able to view their overall statistics for an individual course.
    Austin

FR4: User will be able to see a list of all courses.
    Zhuqi

FR5: User will be able to watch course videos.
    Zhuqi

FR6: User will be able to take course quizzes and view the correct score after submitting.
    Yan

FR7: User will be able to view the percent of achievements they have earned.
    Crystal

FR8: The introduction quiz will output the correct learning style and recommended courses based on user input.
    Yan

FR9: The application will display the number of available spots in an event.
    Kayla

FR10: Admin accounts will be able to add events
    Kayla

FR11: Admin accounts will be able to delete events
    Kayla

FR12: The application will properly pull from the database and display the correct information.
    Kayla

FR13: The application will properly post to the database based on input from the user.
    Kayla

2. List of To Be Implemented Use Cases/Requirements

FR1: User will be able to add courses and see their added courses.
   Zhuqi

FR2: User will be able to remove courses they are enrolled in.
   Zhuqi

FR3: Course modules will unlock after successfully completing the previous module.
   Zhuqi

FR4: User profiles will successfully save all progress made.
   Austin

FR5: User will be able to view all earned and unearned achievements.
   Crystal

FR6: User will have an achievement added to their profile when completing specific tasks.
   Crystal

FR7: Admin accounts will be able to see overall course statistics on all users.
   Kayla

FR8: User will be able to view their profile statistics.
   Austin

FR9: User will be able to filter through events.
   Kayla

FR10: User will be able to post to a discussion forum.
   Zhuqi

FR11: User will be able to view their profile.
   Crystal

FR12: User will be able to register for an available event
   Kayla

FR13: Admin accounts will be able to edit events
   Kayla

FR14: User scores will be able to store in the database for display on the statistics/other pages.
   Yan

FR15: Admin accounts will be able to see all user's introduction quiz results.
   Yan

3. Current Project Status Summary

Since our group demo in December of 2021, our group has significantly improved on both the frontend and backend. During the final demo for CS 425, the group presented a frontend framework with a sample display of some components such as courses homepage, videos, quizzes, registration events, and achievement badges. During the recent progress demo, the team presented improvement in the front and backend of the web application. It was also noted that the team switched to Vue.js for the frontend. More functionality has been added including individual course pages, course quizzes, user introduction quiz, event sign-up page, signup/login page, and user achievements page with progress bar. Added, the backend has been created and successfully connected to the frontend using Express.js and phpMyAdmin. The database has several tables where data can be viewed, stored, and updated successfully. The current project status includes a need to add user sessions to store user data properly according to the user logged in. This will help the progression of other features and complete base functionality of the web application. Added, many features need to be added and updated to further complete the software.

4. Team Member Contribution

Crystal Atoz: 24 hours

Crystal worked on the paper's general formatting/editing and wrote some of section 3. For the development since the CS 425 demo, she worked on learning Vue.js and Node.js, the achievement system in the frontend/backend, and general help on the software as a whole.

Yan Shore: 30 hours

Yan wrote some of section 3 for this assignment. For the development since the CS 425 demo, she worked on learning Vue.js and Node.js, all the quiz parts in the frontend, backend, and general help on the software as a whole.

Kayla Garin: 70 hours

Kayla was responsible for transitioning the code from plain HTML, CSS and JavaScript from last semester into using Vue and Node.js. She also was responsible for connecting the front end to the database using Node.js and Axios. In terms of features, she was responsible for the events section and for the administrative view. She also integrated everyone's code into the team's master branch, tested each feature, and helped with general issues.

Zhuqi You: 36 hours

Zhuqi is responsible for the format and editing of this assignment. For development since the cs425 demo, she is committed to learning Vue. js and node. js, especially course content design, course selection, thinking, front-end and back-end development, forums, etc., as well as the general help of the whole software.

Austin Schrage: 30 hours

For development since the CS425 demo, Austin attempted to connect the front end and back end but was unsuccessful. He also worked on learning HTML, Vue, Node.js, and plain JavaScript. In terms of features: Austin was responsible for the Login functionality and user flow; and the Account Creation pages, functionality and user flow. He was also responsible for the User Statistics page and functionality.