Training System: E-learning platform to reduce the spread of Covid-19

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INTRODUCTION

Background

Covid-19 Training System:
Because of covid-19 we cannot continue with face-to-face learning that's why we need an online learning system where students can be taught online and for that purpose, we need the requirements mentioned below to be fulfilled.
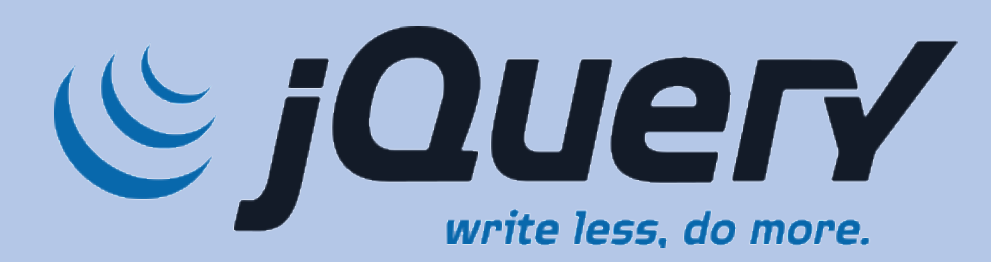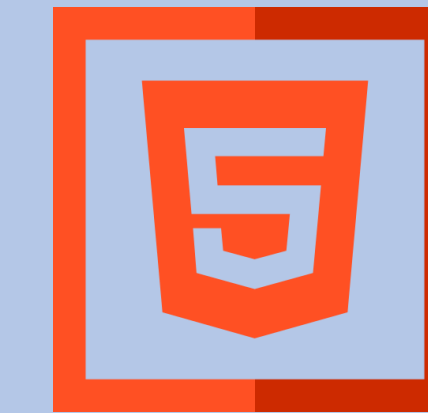
Aim:
The aim of the project is to produce a system that allows training courses to be uploaded and then viewed on a website. Each course consists of several videos or presentations.

Website Requirements:
Website needs to be written in HTML and designed on CSS (completely coded) with database if necessary where videos and lecture slides will be uploaded by the instructors and can be seen or watched by the students after the students has finished the lecture or slides there should be a system to that will allows the instructors to ask for multiple choice questions from the students and when the students have completed the this section they will be provided with results for passing or failing the test, a passing percentage could be set by the instructor.

Tools used for project

METHOD

We created a responsive (mobile/desktop) and light-weight HTML/CSS website that serves as a teaching and assessment platform for e-learning to prevent COVID19 spread through face-to-face classes.

This website does not require complex user interactions, It is recommend to be used as an online schooling platform such as (Blackboard used in Bangor University).

For building interactive questionnaire forms, this project uses scripts based on jQuery and jQuery UI.

And the database is created using MySQL. And the videos will be shored in a database for future access.
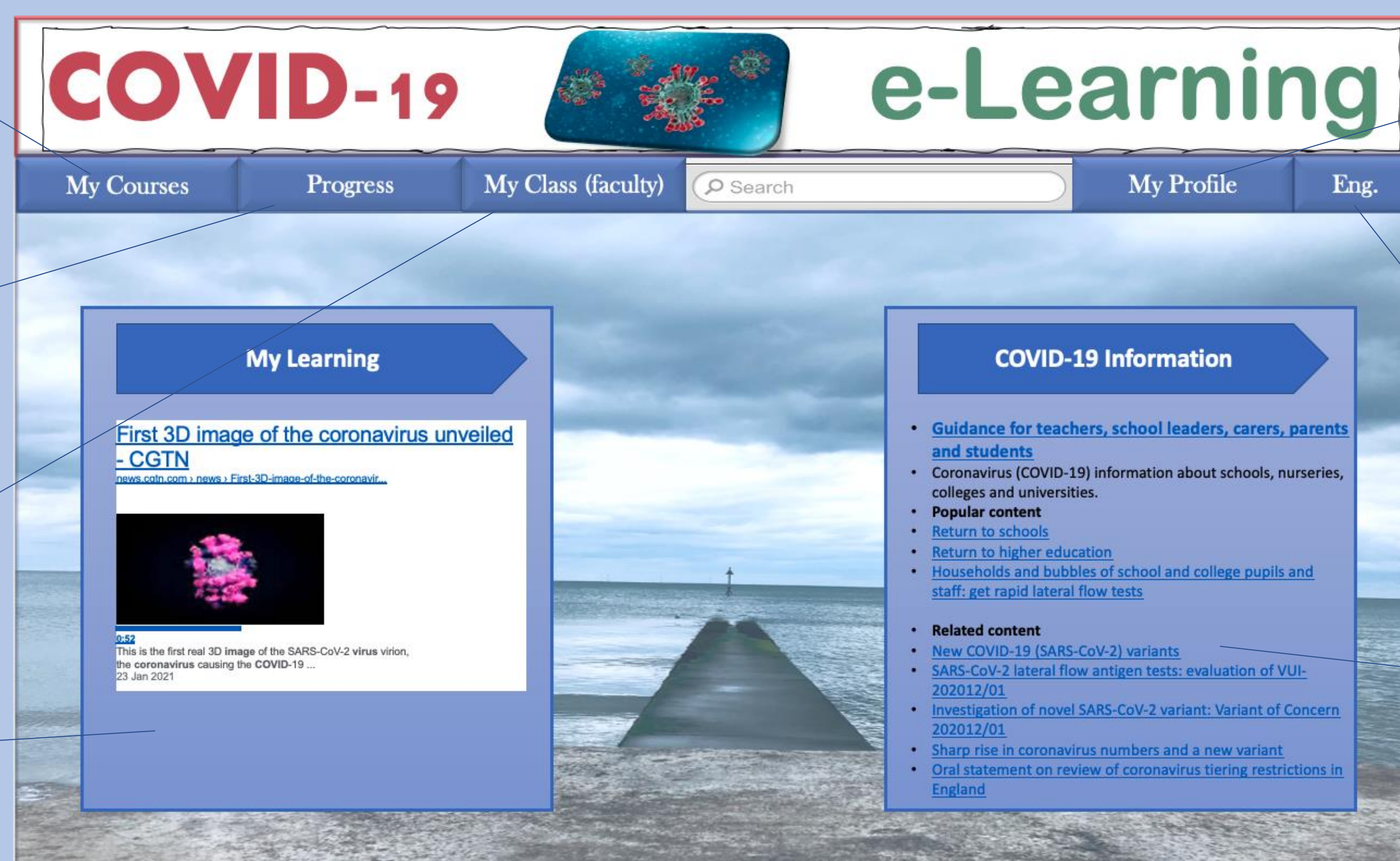
FUNCTIONS

Student Interface

Student interface of the website is developed for the students to access their courses, progress and profile while the search tab is common in both interfaces student and teacher to search within the system to search for material desired.

Faculty Interface

Faculty interface is designed and developed to for the faculties to interact with the system in which they have access to the courses they are teaching and the classes which they are going to teach.

RESULTS

This button is to be used by the students to access their courses.

My progress button is to access the progress of the students.

This button is to access the class by faculties.

This window is to for the students to access their recent learnings.

From my profile button students and teachers can access their own profiles.

This button will help to translate the content to English.

This window is to access the information related Covid-19.

COVID-19 e-Learning

My Courses | Progress | My Class (faculty) | Search | My Profile | Eng.

My Learning

First 3D image of the coronavirus unveiled - CGTN
news.cgtn.com › news › First-3D-image-of-the-coronavir...

This is the first real 3D image of the SARS-CoV-2 virus virion, the coronavirus causing the COVID-19 ...
23 Jan 2021

COVID-19 Information

- **Guidance for teachers, school leaders, carers, parents and students**
- Coronavirus (COVID-19) information about schools, nurseries, colleges and universities.
- **Popular content**
- Return to schools
- Return to higher education
- Households and bubbles of school and college pupils and staff: get rapid lateral flow tests
- **Related content**
- New COVID-19 (SARS-CoV-2) variants
- SARS-CoV-2 lateral flow antigen tests: evaluation of VUI-202012/01
- Investigation of novel SARS-CoV-2 variant: Variant of Concern 202012/01
- Sharp rise in coronavirus numbers and a new variant
- Oral statement on review of coronavirus tiering restrictions in England

CONCLUSION

- Regress troubleshooting and debugging has enabled use to conclude that this project is functional and running.

- This template is tested and worked on: **macOS, Mojave, Chrome 77, Safari 12, Firefox 68, Windows 10, Chrome 77, Firefox 68, Edge 44, Android 7, 8, 9, and 10, Chrome 77, Firefox 68, iOS 12 and 13, Chrome 77, Safari and Firefox 18**.

REFERENCES

[1]
Y.-C. Hsu, *yenchiah/project-website-template*. 2021.

[2]
'Coronavirus (COVID-19): advice for UK visa applicants and temporary UK residents', *GOV.UK*. https://www.gov.uk/guidance/coronavirus-covid-19-advice-for-uk-visa-applicants-and-temporary-uk-residents (accessed Mar. 09, 2021).

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P. Kumar, *learning-zone/website-templates*. 2021.