Introduction

Background: You have been hired by a startup that is developing an interactive course website for Belgium Campus. The goal of the website is to allow users to search for courses, view details, and interact with the course content dynamically. The website's front-end is developed using HTML, CSS, and JavaScript

Objective

Your task is to implement a feature that enhances user interaction with the course details using the DOM. Specifically, you need to create a dynamic course display section that updates content based on user actions without refreshing the page.

Requirements:

This is a group project, you are allowed to select your own team members (minimum 3 – maximum 4). No individual work will be allowed. All group members must submit the project files.

1. Search and Display Courses:

Implement a search bar where users can type the name of a course.

- On entering a search query and pressing the "Search" button, display a list of courses that match the query.

- Each course should be displayed in a formatted, dynamically created section/article.

- Examples of courses include Higher Certificate, Diploma, BIT, and BCOM.

- Each course should display the course title, course code, course duration, and a brief description of the course

2. View Course Details:

- When a user clicks on a course title, display the full course details, including all modules, lecturers, and venues.

- Additionally, upload a downloadable document of the study guide for each module (NB: use the sample study guide from Moodle).

- Incorporate one video link from YouTube for each module (any random video link will be considered)."

- The course details should appear in a dedicated section which contain a table on the same page without reloading the page.

3. Interactive Features:

- Allow users to mark modules as "completed" by clicking on them. Completed modules should be visually distinguished (e.g., strikethrough text or a change in color). Display an ordered list of all completed modules dynamically on a new section or webpage.

- Provide a "Print Course" button that, when clicked, opens the print dialog for the current course details.

4. Course Enrollment:

- Provide an "Enroll" button for each course which opens a new page with an enrolment form. (Ensure you validate the user input of your form)

- After submitting the form, you should provide feedback of a count-down timer to when the course will start. You can use the dates below:

  ➢ Highter certificate starts 1 September 2024

  ➢ Diploma 1 October 2024

  ➢ BIT 1 November 2024

  ➢ BCOM 1 December 2024

Milestone 1:

HTML Structure: Create a basic HTML structure for the search bar, course list, and course details section.
- Make use of semantic elements
- Animation and effects
- HTML validation
- Menu for easy navigation

CSS Styling: Style the elements to ensure a user-friendly interface.
- Use external CSS

Website folder structure

Milestone 2:

JavaScript Implementation: Implement the functionality to handle user input and update the DOM accordingly. Use event listeners to manage user interactions like searching, viewing course details, marking ingredients, and printing the course.

Use any the following concepts:
- Event listeners
- Querying the DOM
- Referencing elements
- Appending elements
- Creating new elements
- Date object
- Functions

Mark Allocation:

HTML & CSS Implementation		
Milestone 1	Semantic elements	5
	Animation and effects	5
	HTML validation	5
	Navigation	5
	CSS styling	5
	Website folder structure	5
JavaScript implementation		
Milestone 2	Course object with all details	5
	Search functionality using events	5
	dynamically creating new elements	5
	viewing course details	5
	interactive features	5
	course enrolment	5
	count down timer	5
Presentation of entire project		5
Sub-Total		**70**

Mark Rubric

Mark	Description
5	Excellent
4	Good
3	Above average
2	Below average
1	Poor
0	No Submission

Additional Information

- All work must be done on your own. Belgium Campus has software that can **scan for plagiarism** and a student caught doing this will get 0 for this assignment.
- Late assignments will not be accepted; missing the deadline is an automatic 0.
- Nominate the team leader who will be responsible for Uploading the final project.
- You will only submit at the end of Milestone 2.