FACULTY/COLLEGE		College of Business and Economics	
SCHOOL		School of Consumer Intelligence and Information Systems	
DEPARTMENT		Applied Information Systems	
CAMPUS(ES)		APB	
MODULE NAME		Development Software 2A	
MODULE CODE		DSW02A1	
SEMESTER		First	
ASSESSMENT OPPORTUNITY, MONTH AND YEAR		Graded Lab 6 March 2025	
ASSESSMENT DATE	26 March 2025 @ 20:00	**SUBMISSION DATE**	27 March 2025 @ 20:00
ASSESSOR(S)	Mr. Ronny Mabokela		
DURATION	20 hours	**TOTAL MARKS**	100
NUMBER OF PAGES OF QUESTION PAPER (Including cover page)			2

INFORMATION/INSTRUCTIONS:

Read instruction carefully to avoid making mistakes.

This is an open-book assessment.
There are 2 questions and answer all questions.
Submit the necessary files (xxx.html, xxx.css, xxx.js) for the codes.
Read the questions carefully and answer only what is required.
Make sure that your submission is in a zipped.

Scenario: Linda's Food Finder Journey

Linda is a passionate home chef who wants to help people around the world discover new meals. She decides to build a simple app called "Food Finder". The purpose of the app is to allow users to type in the name of a food and search for matching recipes.
Linda has asked *you*, a web developer, to help her build this small application using only HTML, CSS, and JavaScript. She also wants the data to come from a real external API.

Your Task
You are to build Linda's Food Finder Web App based on the following requirements.

Application Requirements:

1. **HTML Structure** (20 Marks)
   - A heading titled " Food Finder"
   - A text input field for the user to type a meal name
   - A search button that starts the fetch process
   - A container to display the meal details

2. **CSS Styling** (20 Marks)
   - Centered layout with padding
   - A professional, clean look
   - Style for:
     - Input field
     - Button
     - Meal display card (rounded corners and shadow)
   - A loading spinner (.loader) that appears while fetching data

3. **JavaScript Logic** (50 Marks)
   - Fetch data from the public API: https://www.themealdb.com/api/json/v1/1/search.php?s=MEAL_NAME
   - Show a loading spinner when the search begins

- Display:
    - Meal image
    - Meal name
    - Category
    - First 300 characters of instructions
- Handle errors (e.g., when no meals are found)
- Clear the previous result when a new search is made

4. Bonus Features (Optional – 10 Marks)

- Limit results to first 3 meals if multiple are returned
- Add animation to the meal card using CSS
- Improve UI with better colors, fonts, or responsiveness

☑ Expected Behavior:

1. User enters “Pizza” in the input field
2. Clicks Search
3. App shows a spinner while fetching
4. After a few seconds, the spinner disappears
5. The page displays the meal's image, name, category, and short instructions
6. If no food is found, display: “No meals found!”