FINAL PROJECT (IPT 2)

Objectives:

- To gain an understanding of the MERN stack and its components: The project would require students to work with the MongoDB, Express.js, React, and Node.js technologies.
- To practice front-end development: The project would require students to design the user interface for the restaurant website. Students would need to create a visually appealing and easy-to-use interface that allows users to browse restaurant details and menu items. This objective aims to give students experience in designing and implementing user interfaces using React.js.
- To practice back-end development: The project would require students to build the admin panel for the website, which would allow restaurant owners to create, update, and delete menu items. Students would need to implement server-side code using Node.js and Express.js to handle requests and responses from the client-side. This objective aims to give students experience in building scalable and robust back-end systems.
- To learn about database management: The project would require students to use MongoDB as the database to store information about the restaurant and its menu items. Students would need to learn how to connect to the database, create collections, and perform CRUD (Create, Read, Update, Delete) operations on the data. This objective aims to give students an understanding of how to manage and manipulate data in a database.

Project:

Create a restaurant website using MERN stack that allows owners to create, update, and delete menu items. Users should be able to browse the website to see restaurant details (about, history, etc) and the menu.

Features:

- Website
  - Dashboard
  - About
  - Location
  - **MENU**

Inspired by Mission,
Driven by Excellence

S200, Second Floor, Gomburza Building
SMU Main Campus, Ponce St.
Bayombong, 3700 Nueva Vizcaya, Philippines
smu.edu.ph / seait@smu.edu.ph
0936 286 7280 (Globe) 0961 870 8194 (Smart)

- o Social Media
- Login for Admin to access the admin panel
- Admin Panel to create, update and delete menu items.
- An option to upload a photo of the dish.
- All menu items should be reflected in the main page for users to view.

Requirements:

- The restaurant should be located in Nueva Vizcaya.
- If the restaurant has its own branding, integrate it in your website. If none, create a branding for the said restaurant.
- Provide the style guide of the website. This includes the logo, color scheme, typography, icons, components, illustrations and images.
- Integrate one frontend framework in your project. (Material UI, Tailwind, Ant Design, etc)

Criteria for Assessment:

1. MERN Stack Implementation (30%)
   - o The student demonstrates an understanding of the MERN stack and has used each component appropriately.
   - o The code is organized and readable.
   - o The student has implemented the required features, such as the dashboard, about page, location page, menu, and social media links.
2. Front-end Development (25%)
   - o The student has created a visually appealing and easy-to-use interface for the website.
   - o The website is responsive and works well on different devices.
   - o The student has used React.js effectively to create components and handle events.
3. Back-end Development (25%)
   - o The student has implemented the admin panel using Node.js and Express.js.
   - o The server-side code handles requests and responses appropriately.
   - o The student has implemented CRUD operations to create, read, update, and delete menu items.
4. Database Management (20%)
   - o The student has connected to the MongoDB database and created appropriate collections.

- The student has implemented CRUD operations to manipulate data in the database.
- The student has handled errors and exceptions appropriately.

DEADLINE: May 23, 2023