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## Web Application Development - DIWA2110

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Department	: Faculty of Information Communication Technology
Course Name	: Degree/Diploma in Business Information Technology/ :Degree/Diploma in Information Technology
Semester	: 2
Commence Date	: Week 4
Deadline Date	: Week 6
Contact Number :	
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Individual Assignment 1 25 %
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### Objective

The goal of this assignment is to design and develop a stock inventory system that allows users to manage product inventory efficiently. The system should provide functionality for adding, updating, and deleting products, tracking stock levels, and alerting users when stock levels are low.

### Assignment Overview

You are required to create a stock inventory system for Wings Cafe. The system should be web-based, and it should allow users to perform the following tasks:

- 1. Product Management:**
  - Add new products to the inventory (*product name, description, category, price, and initial quantity*).
  - Update existing product details.
  - Delete products that are no longer in stock.
- 2. Stock Management:**
  - Track the quantity of each product in stock.
  - Record stock transactions (e.g., adding stock when new inventory arrives, deducting stock when products are sold).

### User Interface Design:

- **Dashboard:** Overview of current stock levels using a graph, and rotating pictures.
- **Product Management:** Forms for adding, updating, and deleting products.
- **Users Management:** Forms for login, adding, updating, and deleting users.

## Technology Stack

- **Frontend:** React App
- **Backend:** express Js
- **Database:** MYSQL Database

## Marking Criteria

User Interface ( consistent, responsiveness)	20
Functionality	20
Changing pictures and a graph to show quantity of products.	10
Code Quality	10
Connection to database	20
Git repository and submission of Link	5
Deployment of the app	15

## SUBMISSION INFORMATION

Send 2 links on google classroom:

- a) Git repository.
- b) Web deployment link.