**PA0 - GROUP 05 - 22CLC01 -**

**- Intro to Software Engineering -**

1. **GROUP INFORMATION**

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1. **PROJECT PROPOSAL**

**2.1 Introduction**

* This proposal outlines the development of a **Laptop shopping website**, an online platform for selling laptops. The website will feature a user-friendly interface, allowing customers to browse, add products to a shopping cart, and make secure purchases.
* Key elements include product filtering, a checkout process, and responsive design.

**2.2 Target users and environments**

* Target users:
* The customers especially students, office workers and businessmen. They use the web to buy products.
* Web owners. They use the web to manage their products.
* Environments:
* The website can be accessed from any devices with internet connection such as PC, smartphone, …
* The web application will operate on a cloud server platform so that users of all operating systems can access.

**2.3 Key features**

| **Feature** | **Description** |
| --- | --- |
| Customer Account Management | Personal details such as: addresses, phone number, email, contact information, ect. |
| Register and Login | Implement sign-in and sign-up methods, including traditional email/password options as well as social login through platforms like Facebook and Gmail. |
| Product Search Engine & Filtering | - Enable users to search for products based on various criteria such as color, price, release date, size and product ID.  - Implement a robust filtering system to refine search results. |
| Manage Wishlist | - Enable users to save items of interest for future purchases (wishlist). |
| Manage Cart and Checkout | - Support various payment methods, including credit cards.  - Calculate shipping costs to help customers approximate the total order cost. |
| View Detail Product | A dedicated page for viewing detailed product information, stock, specifications, price, … |
| Coupon and Discount | A discount code system enables customers to use promotional codes at checkout for discounts. |
| Sales & inventory managements | - Provide vendors with tools to track and manage orders.  - Manage product lists, restock, … |
| Product Recommendation | - Analyze & recommend these related, best-seller products. |
| Submit and View Feedback and Reviews | - Allow customers to provide feedback through ratings and reviews.  - Allow users to view products through reviews and ratings.  - Consider offering incentives (such as coupons) for leaving reviews. |
| Notify email | Send email notifications to users for wishlist, promotions, and order updates. |