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**DAVAO DEL NORTE STATE COLLEGE**

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**Institute of Computing**

**ITELEC 2 – Web Systems and Technologies 2**

**PROJECT PROPOSAL**

**Title:**

**SupplyBridge: Connecting Retailers with Quality Goods**

**Proponents:**

**Kent Diether Geraldo – Project Leader**

**Christian Duran – Data Quality Manager**

**Arjean Logrosa – Web Designer**

**John Lyold Lozada – Web Programmer**

**Project Description:**

"SupplyBridge" is a user-friendly website that connects local retailers with our trustworthy supplies, making it easy for them to find quality products quickly, get real-time inventory and price updates, and receive personalized suggestions based on their past buying history.

**Objectives**:

* To create a platform that simplifies and improves the purchasing process for local retailers with a user-friendly marketplace to showcase their goods and attract new business.
* To improve cooperation and trust between retailers and with are supplies through reviews, ratings, and clear communication and ensure quality products by implementing a testing process for our supplies to ensure that retailers receive high-quality goods at fair prices.
* To use simple communication tools to help with negotiations, order placements, and customer service inquiries between retailers and with us.

**Features:**

* Product Catalogs: Retailers can browse detailed product catalogs, including descriptions, pricing, and availability.
* Order Management System: A reliable system that enables simple order placement, tracking, and management between retailers and us with contact feature where retailers can reach out to us via phone, Facebook, or email for quick discussions and negotiations.
* Real-Time Inventory Updates: Our website application can provide real-time updates on product availability, allowing retailers to make informed decisions and avoid being out of stock.
* Basic Product Listings: Easy-to-browse product listings with essential details such as price, availability, and contact information.
* Local Pickup or Delivery Options: We offer pickup locations or delivery options within the city for faster products to arrive at the delivery location.
* Direct Communication: A contact feature where retailers can reach out to us via phone, Facebook, or email for quick discussions and negotiations.
* HTML/CSS

**CRUD**

**Create:**

Retailers: Create accounts and place new orders.

Employees: Add new product listings.

Admins: Create and manage retailer and supplier accounts, add new products to the catalog.

**Read:**

Retailers: Browse product catalogs and view order history.

Employees: View order status and product performance.

Admins: Monitor all transactions, user activity, and system performance.

**Update:**

Retailers: Update profiles and modify orders.

Employees: Update product information and inventory levels.

Admins: Update user roles and modify product details.

**Delete:**

Retailers: Delete accounts and cancel orders.

Employees: Remove outdated product listings.

Admins: Disable or remove user accounts and outdated product listings.

**Technology Stack:**

**Front-end Back-end Database**

-HTML/CSS -PHP -XAMPP Contral Panel

-Bootstrap -Laravel Framework - MySQL

-JavaScript

**Scope and Limitations:**

Scope of SupplyBridge

The SupplyBridge will help local retailers connect with our reliable supplies, making it easier for them to find and manage products, while also supporting small businesses to strengthen the local economy.

Limitations of SupplyBridge

Local retailers may be hesitant to switch to an online platform due to user adoption challenges, reliance on accurate supplier information, limited communication options compared to face-to-face meetings, and potential resource constraints for setup and maintenance.