FORSIT

CONFIDENTIAL

TAKE HOME TASK

POSITION: Front-end Developer

*Your submission must be in **PDF format**

<Development Task: E-commerce Admin Dashboard>
E-commerce managers require a comprehensive understanding of sales, revenue, and inventory status for effective decision-making. The objective of this task is to develop a web-based admin dashboard that centralizes all these crucial data points. The final submission should include both the source code and a link to the hosted page demonstrating the working dashboard.

Core Features:

1. **Revenue Analysis Page:**
   - Real-time display of total orders, sales (revenue),
   - Interactive charts to visualize orders and sales, inventory trends over time (daily, weekly, monthly, annually)
   - Revenue data should be filterable by product categories.
   - Interactive charts displaying revenue trends and comparisons.
2. **Inventory Management Page:**
   - List view of all products with current inventory status.
   - Options to sort, filter, and search products.
   - Functionality to update inventory levels.
   - Low inventory alerts and forecasting to indicate when restocking is necessary.

3. **Product Registration**
    - Form to add new products to the inventory, with fields for product name, description, price, and initial stock level.
    - Option to upload product images.
    - Successful submission should update the inventory and be reflected across the dashboard.

Technical Requirements:

- Develop the front-end using Vue.js, Node.js, and any framework (such as ag-grid)
- Employ a clean, modern UI/UX design with intuitive navigation.

Demo Data

- You may use sample data (of your own) regarding sales and inventory for the products sold on Amazon & Walmart.

Submission Instructions:

1. **Source Code:**
    - Host the source code on a public repository on GitHub.
    - Include a README file with setup instructions, dependencies, and a brief explanation of how to navigate through the dashboard.

2. **Hosted Page:**
    - Host a live version of the dashboard on a platform of your choice
    - Ensure the dashboard is populated with sample data to demonstrate its functionality.

3. **Documentation:**
    - Provide a brief document outlining the design choices made, challenges encountered, and how you overcome those challenges.
    - Include screenshots of the dashboard pages and describe the functionality provided on each page.