

# INV-MANAGE

Inventory Management Web app



D Y PATIL  
INTERNATIONAL  
UNIVERSITY  
AKURDI PUNE

MAJOR PROJECT PRESENTATION (STAGE 2)

UNDER THE SUPERVISION OF : DR. NEERA

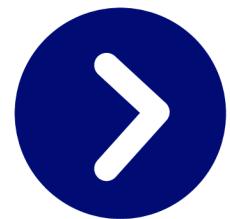
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# Objectives

- To develop a responsive, full-stack inventory management system that efficiently handles product, user, and expense data.
- The application ensures real-time performance, scalability, and cloud deployment using modern technologies like Next.js, Node.js, PostgreSQL, and AWS.
- It aims to provide a cost-effective, user-friendly solution tailored for small and medium enterprises.



# why this project?

- Existing apps are either costly, complex, or not customizable.
- Our app is modular, open-source, and built for SMBs.
- It demonstrates our skills in cloud computing, full-stack development, and real-world problem solving.



# Tools used

- FRONTEND: NEXT.JS
- BACKEND: NODE.JS WITH EXPRESS.JS
- DEPLOYED ON AWS: EC2, RDS
- STATE MANAGEMENT :RTX( REDUX TOOL KIT )
- STYLING: TAILWIND CSS
- CHARTS: RECHARTS
- TABLES: MATERIAL UI FOR



# Pages and Features

- Dashboard, inventory, products, users, settings and expenses.
- Our app has dark/light mode.
- User authentication
- Create, delete and search products
- View expenses by categories and dates



# OUR DASHBOARD

**Inv-Manage**

- Dashboard
- Inventory
- Products
- Users
- Settings
- Expenses

Start type to search group

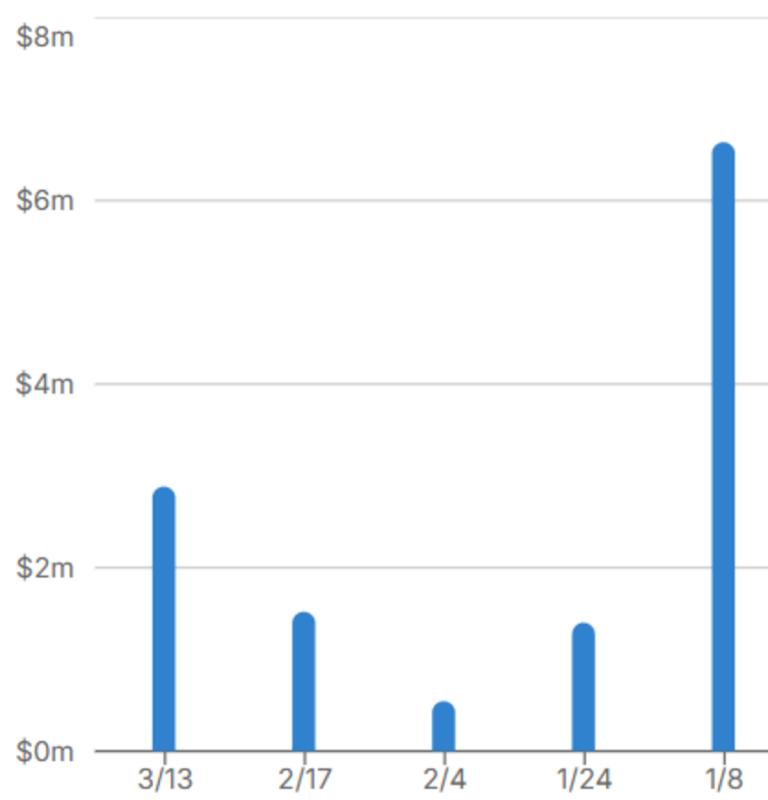
### Popular Products

	Nike Air Jordan 1 ₹11999   ★★★★★	45k Sold
	Nike Air ₹7999   ★★★★★	23k Sold

### Sales Summary

Value **₹ 12.98m** ↗ 5.48%

Weekly

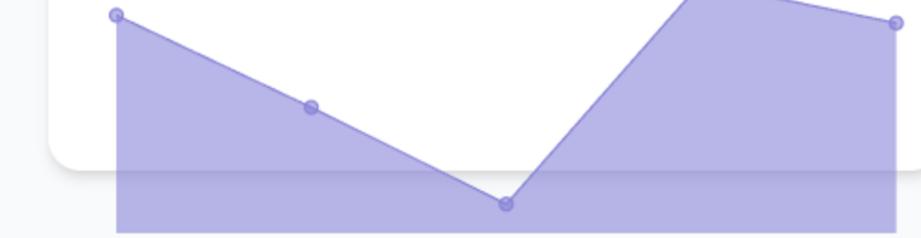


5 days

Highest Sales Date: 1/8/24

### Purchase Summary

Purchased **₹ 7.88m** ↘ 95.76%



### Expense Summary



**₹401.00**

- Office Expenses
- Professional Expenses
- Salaries Expenses

Average: ₹80265893.30 ↗ 30%

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# DARK MODE

**Inv-Manage**

Start type to search group

User  | 

**Dashboard**

**Inventory**

**Products**

**Users**

**Settings**

**Expenses**

**Popular Products**

- Nike Air Jordan 1  
₹11999 | ★★★★★ 45k Sold
- Nike Air  
₹7999 | ★★★★★ 23k Sold
- Puma Socks (pair of 3)  
₹2199 | ★★★★★ 9k Sold
- white shirt  
₹1899 | ★★★★★ 8k Sold

**Sales Summary**

Value **₹12.98m** ↗ 5.48% Weekly



5 days

Highest Sales Date: 1/8/24

**Purchase Summary**

Purchased **₹7.88m** ↘ 95.76%



**Expense Summary**

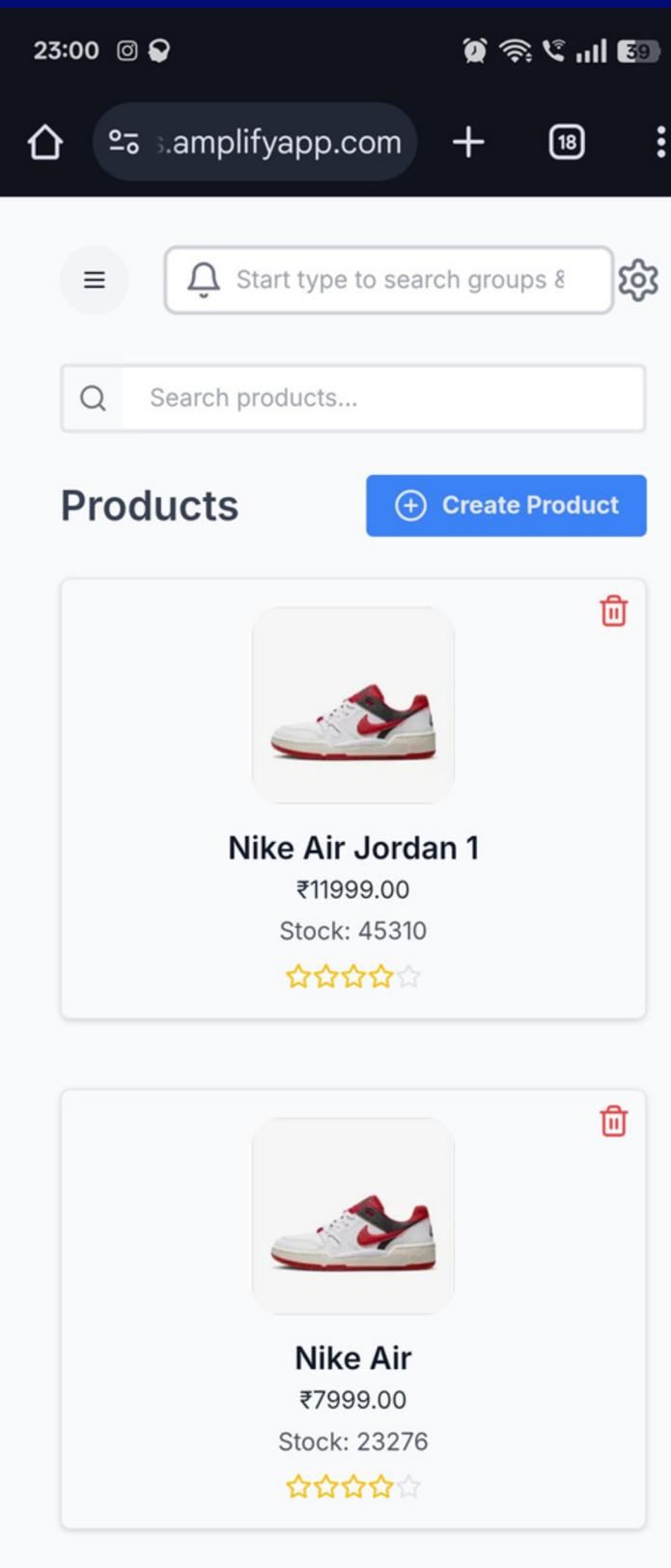
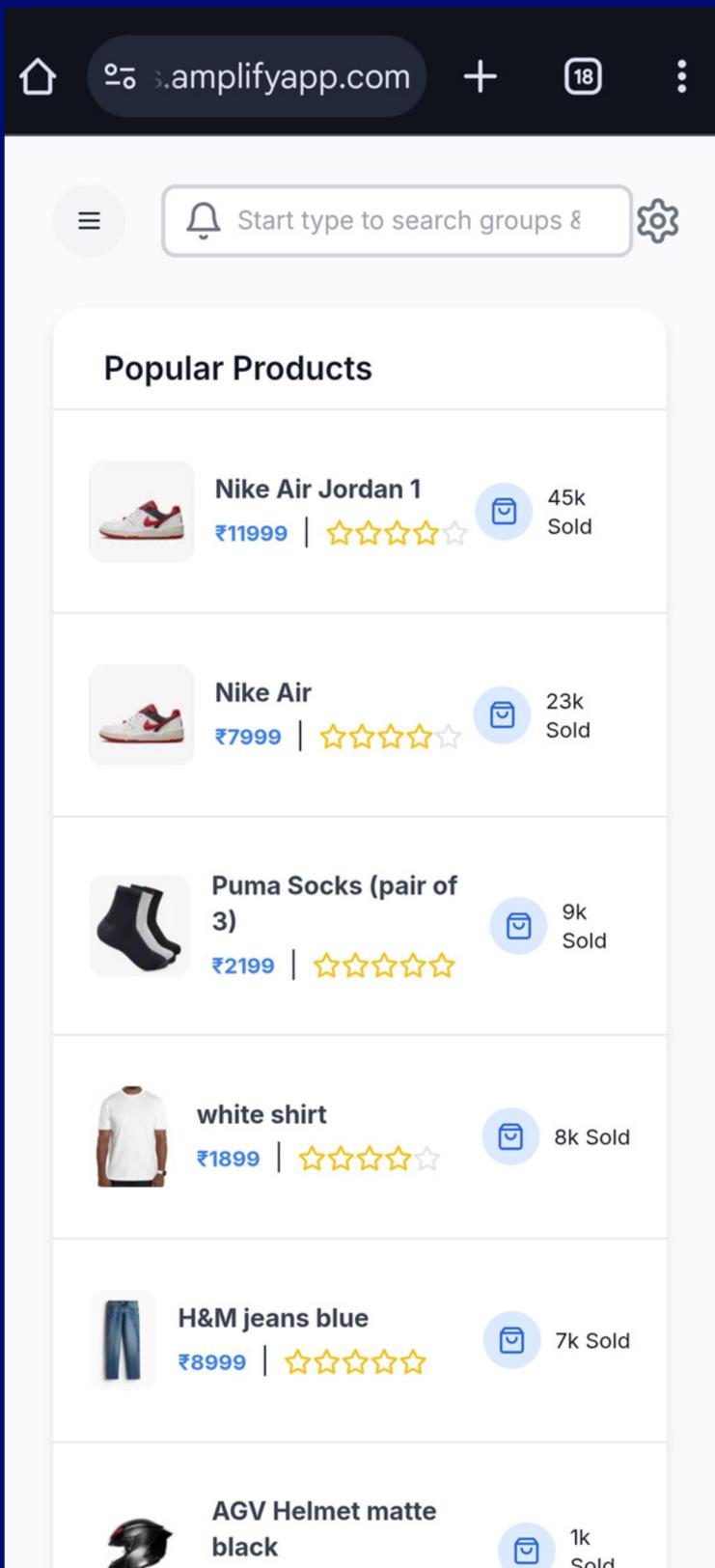
**₹401.00**

- Office Expenses
- Professional Expenses
- Salaries Expenses

Average: ₹80265893.30 ↗ 30%

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# PRODUCT'S PAGE



# EXPENSE PAGE

Start type to search group

User 3

Expenses

A visual representation of expenses over time.

Filter by Category and Date

Category: All

Start Date: dd-mm-yyyy

End Date: dd-mm-yyyy

The pie chart illustrates the breakdown of expenses across three categories: Office, Professional, and Salaries. The segments are color-coded: dark blue for Office, light blue for Professional, and light green for Salaries. The values for each segment are explicitly labeled: Office is 18, Professional is 94, and Salaries is 95. A legend at the bottom identifies the colors for each category.

Category	Value
Office	18
Professional	94
Salaries	95

# USER SETTINGS

 Inv-Manage

≡ Start type to search group

User 3 |  User 

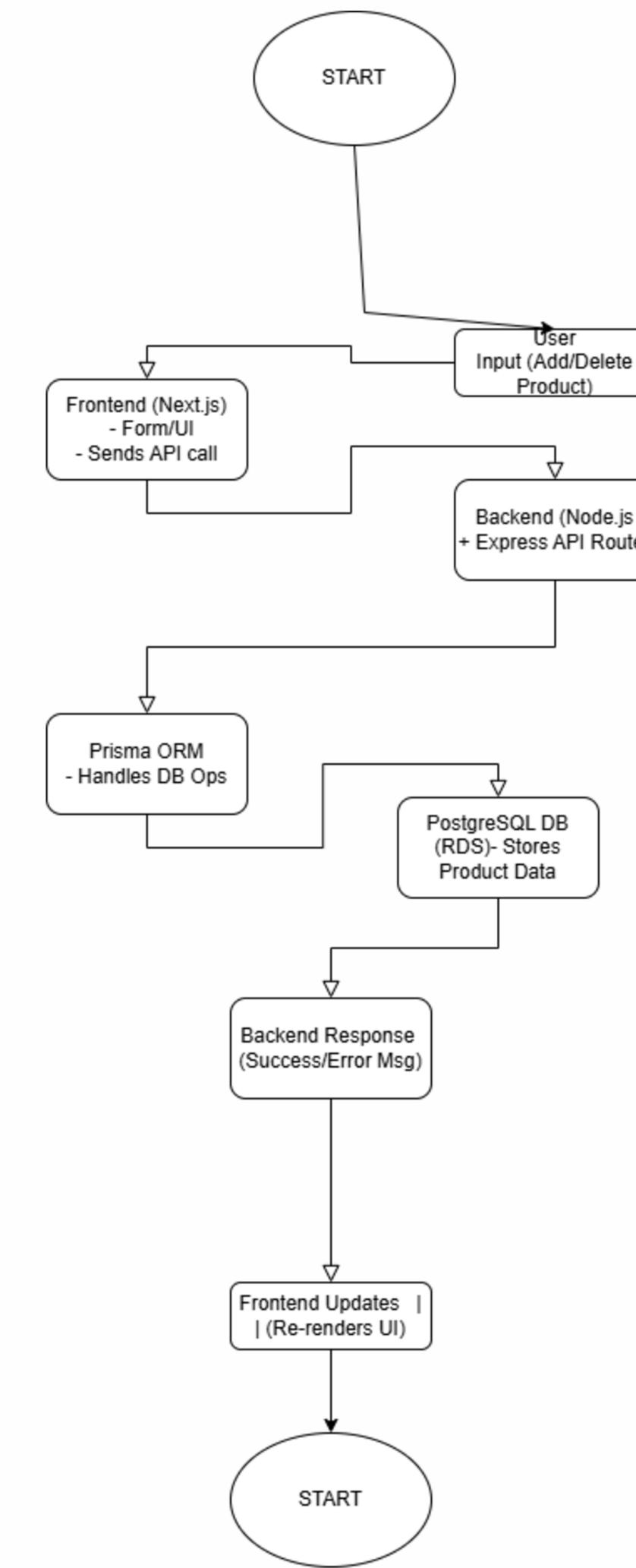
**User Settings**

SETTING	VALUE
Username	john_doe
Email	john.doe@example.com
Notification	<input checked="" type="checkbox"/>
Dark Mode	<input type="checkbox"/>
Language	English

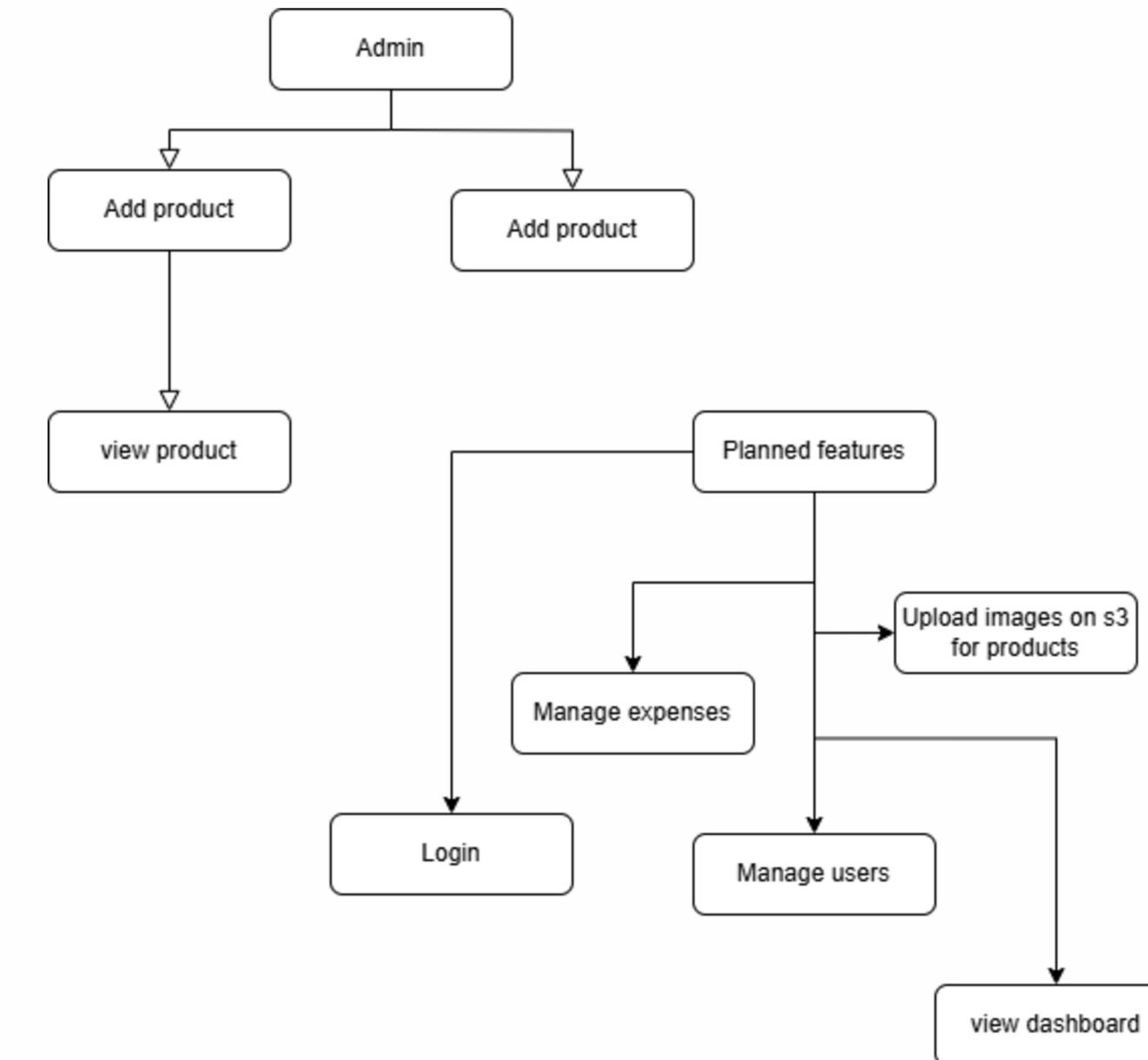
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- Dashboard
- Inventory
- Products
- Users
- Settings
- Expenses

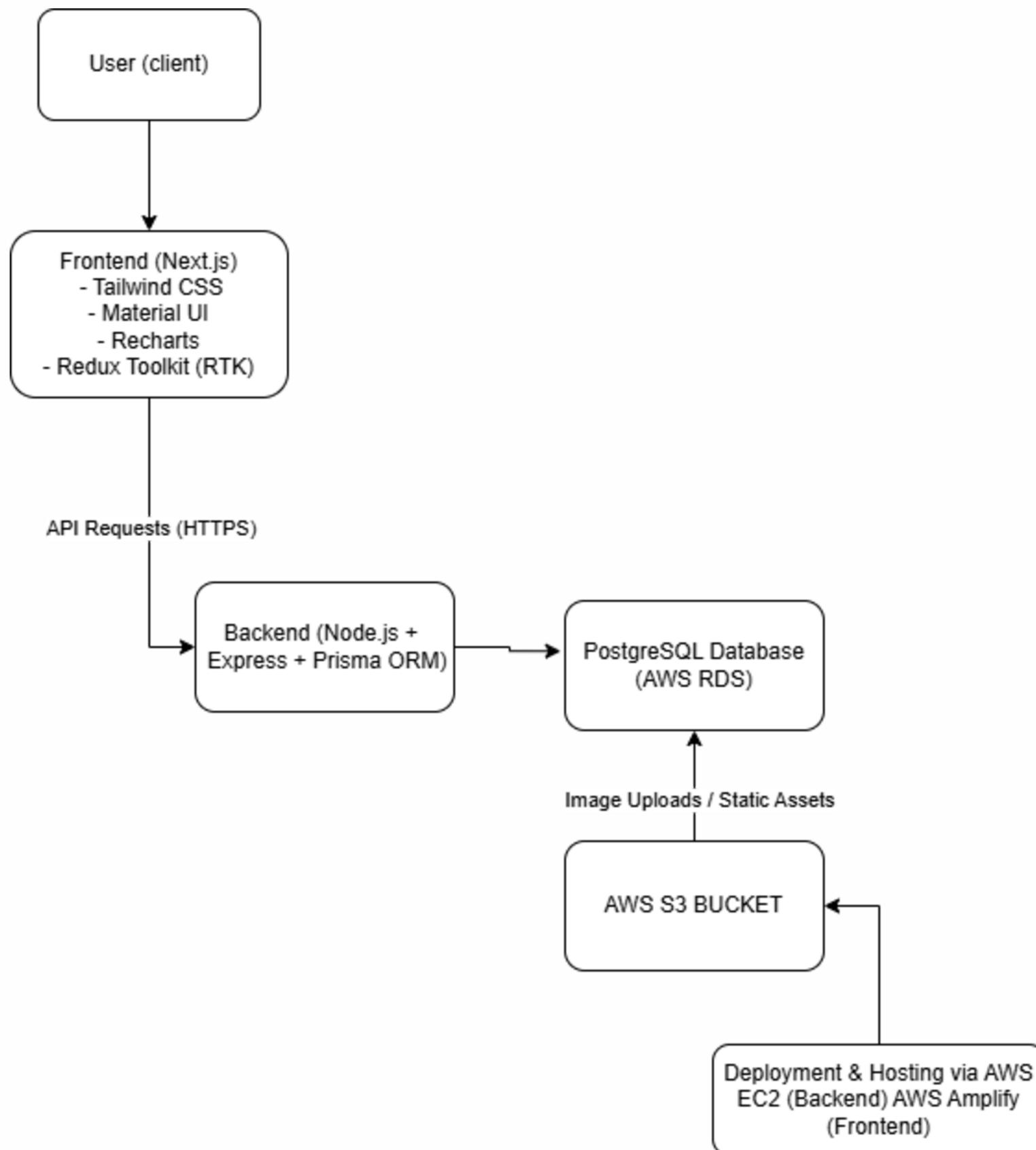
# FLOW CHART



# USE CASE



# SYSTEM ARCHITECTURE DIAGRAM



# FUTURE IMPROVEMENT

- USER'S PAGE
- USER AUTHENTICATION
- MORE WIDGETS
- CHARTS



# Thank you