



StockFlow – Inventory Manager

A full-stack web app to manage your stock efficiently. Built with **React (Vite)**, **Node.js**, **Express**, and **MongoDB**, StockFlow helps you add, edit, and track products with ease.

✨ Features

- 🔑 User authentication (login & signup)
 - ➕ Add, ✎ update, ✖ delete products
 - 🔍 Search & filter by name or category
 - 📊 Dashboard with live statistics
 - 🆕 Recently added products section
 - ☁ Hosted on **Render** (backend + frontend)
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🔧 Tech Stack

- **Frontend:** React (Vite), React Router, Custom CSS
 - **Backend:** Node.js, Express.js, JWT Auth
 - **Database:** MongoDB (Mongoose)
 - **Deployment:** Render
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Setup

Clone the repo

```
git clone https://github.com/hariharanvp2/stockflow-inventory-frontend
cd stockflow-inventory
```

Backend

```
cd backend
npm install
touch .env # add MONGO_URI, JWT_SECRET
npm start
```

Frontend

```
cd ../frontend
npm install
npm run dev # dev mode
npm run build # production build
```

API Overview

- **Auth**
 - `POST /api/auth/signup` → register
 - `POST /api/auth/login` → login
- **Products**
 - `GET /items` → fetch all
 - `GET /items/:id` → fetch one
 - `POST /items` → add new
 - `PUT /items/:id` → update

- `DELETE /items/:id` → delete
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How to Use

- Sign up or log in
 - View product stats on the dashboard
 - Add new stock with “**Add Product**”
 - Use search bar to filter quickly
 - Manage all stock in “**Inventory**”
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Credits

- Render → hosting
- MongoDB Atlas → database
- React + Express → app backbone