

Inventory Management System - API Documentation

Authentication & User Management APIs

Method	Endpoint	Description	Access
POST	/api/auth/signup	Register a new user (role: user, status: pending)	Public
POST	/api/auth/login	Login user/admin → returns JWT token	Public
POST	/api/auth/logout	Logout user → clear token/cookie	Logged-in users
GET	/api/auth/profile	Get current logged-in user info	Logged-in users
GET	/api/users/pending	List of pending users	Admin
PUT	/api/users/:id/approve	Approve a user account	Admin
PUT	/api/users/:id/reject	Reject or deactivate a user	Admin

Product Management APIs

Method	Endpoint	Description	Access
GET	/api/products	Get all products	Approved user + Admin
GET	/api/products/:id	Get single product by ID	Approved user + Admin
POST	/api/products	Add a new product	Approved user + Admin
PUT	/api/products/:id	Update product info	Approved user + Admin
DELETE	/api/products/:id	Delete a product	Approved user + Admin

Reports APIs (Optional)

Method	Endpoint	Description	Access
GET	/api/reports/stock	Generate or download product stock report	Admin + Approved user

Future Enhancements

Method	Endpoint	Description	Access
GET	/api/users	List all users (approved + pending + rejected)	Admin
PUT	/api/users/:id/role	Change user role (e.g. user → supervisor)	Admin
GET	/api/dashboard/stats	Fetch total users/products/low-stock count	Admin