

Requirements Traceability Matrix

Req. ID	Requirement Description	User Story	Feature / Module	Actor	Test Case ID	Status
R1	System must authenticate users with valid credentials	US1	Authentication	Admin	TC1	Done
R2	System must allow adding new products with all required details	US2	Product Management	Admin / Shop Manager	TC2	Done
R3	System must allow updating product details	US3	Product Management	Admin / Shop Manager	TC3	Done
R4	System must automatically track inventory levels after sales, purchases, or returns	US4	Inventory Management	Shop Manager	TC4	In Progress
R5	System must store and retrieve customer information	US5	Customer Management	Shop Manager / Admin	TC5	In Progress
R6	System must allow creating wholesale or retail orders	US6	Order Management	Shop Manager / Retailer	TC6	Done
R7	System must generate invoices with accurate totals, taxes, and discounts	US7	Sales & Billing	Shop Manager / Admin	TC7	Done

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R8	System must generate sales and inventory reports for a selected time range	US8	Reporting	Owner	TC8	In Progress
R9	System must alert when product stock reaches below minimum level	US9	Inventory Management	Shop Manager	TC9	Done
R10	System must allow adding and updating supplier information	US10	Supplier Management	Admin / Owner	TC10	In Progress
R11	Delivery Man must view assigned deliveries with order details and customer information	US11	Delivery Management	Delivery Man	TC11	Done
R12	Delivery Man must update delivery status (delivered, pending, failed)	US12	Delivery Management	Delivery Man	TC12	Done
R13	Retailer must browse, filter, and select products for purchase	US13	Product Catalog / Product Management	Retailer	TC13	Pending

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R14	Retailer must track the status of their orders and expected delivery	US14	Order Management	Retailer	TC14	Pending
R15	Admin / Owner must manage user roles and permissions to control system access	US15	Authentication / Admin	Admin / Owner	TC15	In Progress