

## 1.- Detailed Task by feature

Feature	Task (RF-ID)	Task Name	Detailed Description
<b>Feature 1: Admin Settings &amp; Security Logs</b>	<b>RF-A.14</b>	Manage User Roles and Security	This task involves creating a UI for the super-administrator to define different access levels (e.g., "Administrator," "Delivery"). It includes managing what parts of the system each role can see or modify and configuring password reset policies.
	<b>RF-A.15</b>	Monitor System Activity Log	This involves implementing a logging system that automatically records important events, such as logins (successful and failed), price changes, or user deletions. This is crucial for auditing and tracing security issues.
<b>Feature 2: Online Sales &amp; Catalog</b>	<b>RF-C.4</b>	Product Catalog Browsing and Display	Develop the public-facing interface where customers can view all products. It must include organization by category (dairy, meat, etc.) and display high-quality images, the price, and available stock.
	<b>RF-C.5</b>	Search and Filter System	Implement a search bar allowing customers to find products by name. Additionally, create filters to refine results by category, price range, or promotional status (on sale).
	<b>RF-C.6</b>	Shopping Cart Management	Create the shopping cart logic, allowing users to add products, adjust the quantity of items (e.g., from 1 to 3 milks), or remove an item from the cart before proceeding to payment.
	<b>RF-C.7</b>	Online Ordering and Intuitive Checkout	Design a clear and easy-to-use multi-step checkout process. The customer must be able to confirm the products in their cart, select their saved shipping

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			address, and choose a payment method.
	RF-C.8	Payment Processing Integration	Connect the system to a secure payment gateway (e.g., Stripe or PayPal) to process credit/debit card transactions. This also includes enabling the "Cash-on-Delivery" option.
	RF-A.3	Promotions and Discounts Module	Create a panel for the administrator to set up promotional campaigns. For example, "10% off dairy this weekend" or "Buy 2, Get 1 Free" offers.
Feature 3: Inventory Forecasting & Supplier Management	RF-A.10	Automatic Demand Forecasting	Implement an algorithm that analyzes sales history (e.g., "how many milks were sold in the last 3 months") to predict future demand. This helps the administrator know how much stock to order.
	RF-A.11	Supplier Management	Create a section in the admin panel to register supplier information (name, contact, products they supply). The future goal is to be able to generate purchase orders automatically.
Feature 4: Reporting & Analytics	RF-A.6	Sales and Performance Dashboard	This is the main screen for the administrator. It must show graphs and visual summaries of key metrics: total sales for the day/month, the top 5 best-selling products, and how many orders are active.
	RF-A.7	Generation of Sales and Inventory Reports	Allow the administrator to generate and export (e.g., to Excel or PDF) detailed reports on sales within a date range, inventory turnover, and the average order value.

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<b>Feature 5: Order &amp; Delivery Management</b>	<b>RF-A.4, RF-D.2</b>	Order Tracking (Admin/Delivery)	Create the interface where the administrator sees new orders and can change their status (e.g., from "Pending" to "Processing"). The delivery staff will also use this (on mobile) to mark the order as "Out for Delivery" or "Completed."
	<b>RF-C.9</b>	Customer Order History and Status Viewing	Create the "My Orders" section in the customer's profile. Here, they can see a list of their past purchases and, most importantly, view the current status of their active order (e.g., "Your order is on its way").
	<b>RF-A.5</b>	Real-time Stock Alerts	Program an automatic notification (e.g., an alert icon on the dashboard) that warns the administrator when a product's stock level falls below a predefined threshold (e.g., "Only 5 units of Milk left").
<b>Feature 6: Delivery Route Optimization</b>	<b>RF-D.3</b>	Real-time Route Optimization	Integrate the Google Maps API. When a delivery driver has multiple orders to deliver, the system must calculate and show them the most efficient route to visit all addresses, saving time and fuel.
	<b>RF-A.13</b>	Admin View of Delivery Zones	Create a map in the admin panel that displays the delivery zones. It should allow the admin to see how many orders are placed per zone and analyze efficiency (e.g., "Route 5 has the most delays").
<b>Feature 7: Loyalty &amp; Rewards Program</b>	<b>RF-C.11</b>	Customer Loyalty Points	Implement a system where each purchase gives the customer "points" (e.g., 1 point per \$1 spent). These points accumulate in their profile and can be redeemed for discount coupons on future purchases.

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	RF-A.9	Admin Management of Loyalty Program	Provide the administrator with tools to configure the program: how many points are earned per dollar, how many points a discount costs, and define different customer "tiers" (e.g., Bronze, Silver, Gold).
<b>Feature 8: Push Notifications &amp; Email Alerts</b>	RF-C.12	Automated Customer Notifications	Configure the automatic sending of emails and notifications (push or in-app) to the customer at key moments: "We have received your order," "Your order is on its way," and to announce promotions.
	RF-A.12	Admin Control of Notification Templates	Create a simple editor where the administrator can modify the text and appearance of the automated emails (e.g., order confirmations) without needing to change the code.
<b>Feature 9: Customer Feedback &amp; Review System</b>	RF-C.10	Customer Product Reviews	Add a section on each product's page where customers who purchased it can leave a rating (e.g., 1 to 5 stars) and write a review about their experience with the product.
	RF-A.8	Admin Moderation of Reviews	Create a panel for the administrator to see all reviews submitted by customers. It must allow them to approve (to make public), hide (if inappropriate), or write a public response to the feedback.