**Assignment 1:**

**Business Requirements Document (BRD)**

1. **Document Revisions**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Description of Cahgnes** |
| 1 |  | P Singa Ram | Initial Draft |

1. **Approvals**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Name** | **Title** | **Signature** | **Date** |
| Project Sponsor | Mr Vimal | Commercial Director | Sd/- | 20/02/2025 |
| Business Owner | Mr Somen | Divison Head | Sd/- | 20/02/2025 |
| Project Manager | Mr Asutosh | Project Manager | Sd/- | 20/02/2025 |
| System Architect | Mr Anish | Architect | Sd/- | 20/02/2025 |
| Development Lead | Mr Sujit | Developer | Sd/- | 20/02/2025 |
| User Experience Lead | Mr Mrunal | Lead | Sd/- | 20/02/2025 |
| Quality Lead | Mr Vishal | Lead | Sd/- | 20/02/2025 |
| Content Lead | Mr Ganesh | Lead | Sd/- | 20/02/25 |

1. **RASCI Chart for This Document:**

**3.1 Codes Used in RASCI Chart:**

* **R:** Responsible (Does the work)
* **A:** Accountable (Owns the work)
* **C:** Consulted (Provides input)
* **I:** Informed (Kept up-to-date)

**3.2 RASCI Chart:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Task** | **Project Manager** | **Business Analyst** | **Developers** | **QA Engineers** | **DevOps** | **Stakeholders** |
| Requirement Gathering | A | R | C | I | I | C |
| System Design | A | R | C | I | I | C |
| Development | I | C | R | I | C | I |
| Testing | I | C | C | R | I | I |
| Deployment | I | C | I | I | R | I |
| User Training | A | R | I | I | I | C |

1. **Introduction**

[Company Name] specializes in manufacturing and distributing ice-cream and milk products. To enhance operational efficiency and customer satisfaction, the company seeks to develop a software solution to manage inventory across manufacturing plants and warehouses while ensuring the quickest delivery to customers.

**4.1 Business Goals:**

* Increase operational efficiency
* Improve customer satisfaction
* Reduce costs associated with waste and inefficient delivery
* Gain real-time visibility into inventory and delivery processes

**4.2 Business Objectives:**

* Implement a centralized inventory management system.
* Optimize delivery routes and schedules.
* Provide real-time tracking of orders and deliveries.
* Automate stock replenishment and demand forecasting.

**4.3 Business Rules:**

* Inventory must be tracked at each stage of the supply chain (manufacturing plant, warehouse, delivery).
* Delivery routes must adhere to traffic regulations and delivery time windows.
* Stock replenishment must be triggered when inventory levels fall below a predefined threshold.

**4.4 Background:**

Currently, [Company Name] manages inventory and deliveries using manual processes, leading to inefficiencies, inaccuracies, and delays. A software solution is needed to automate these processes and provide real-time visibility into operations.

**4.5 Project Objective:**

To develop and implement a Manufacturing & Delivery Management System that streamlines inventory management and optimizes delivery operations, resulting in increased efficiency, reduced costs, and improved customer satisfaction.

**4.6 Project Scope:**

**4.6.1 In Scope Functionality:**

* Inventory Management: Real-time stock tracking, automated alerts, batch tracking, integration with manufacturing units.
* Delivery Management: Order processing, route optimization, real-time vehicle tracking, customer notifications.
* Reporting and Analytics: Dashboards and reports on inventory levels, delivery performance, and other key metrics.

**4.6.2 Out Scope Functionality:**

* Integration with payment gateways.
* Management of employee payroll.
* Development of a mobile app for customers to place orders. (Considered for future phases)

1. **Assumptions:**

* Real-time inventory updates are possible from manufacturing units.
* Delivery tracking infrastructure is available.
* Integration with existing ERP systems is feasible.

1. **Constraints:**

* Budget limitations.
* Availability of resources.
* Integration with existing legacy systems.
* Dependency on third-party logistics APIs for delivery tracking.

1. **Risks:**

* Technological Risks: Compatibility with legacy systems.
* Skills Risks: Availability of skilled developers for Java, Golang, and cloud services.
* Political Risks: Data privacy regulations.
* Business Risks: Potential delays in deployment affecting revenue.
* Requirements Risks: Changes in business requirements during development.
* Other Risks: Integration risks with third-party logistics.

1. **Business Process Overview**

* 8.1 Legacy System (AS-IS) Currently, inventory and delivery management are managed manually, leading to delays and inefficiencies.
* 8.2 Proposed Recommendations (TO-BE) The proposed system will automate inventory tracking and delivery management, providing real-time updates and optimized delivery routes.

1. **Business Requirements**

9.1 Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Req Id** | **Req Name** | **Req Description** | **Priority** |
| FR001 | Inventory Monitoring | Centralized dashboard for inventory monitoring. | 8 |
| FR002 | Alerting | Automated alerts for low stock and expiry dates. | 7 |
| FR003 | Quality Control Check | Batch tracking and quality control checks. | 7 |
| FR004 | real-time stock updates | Integration with manufacturing units for real-time stock updates. | 9 |
| FR005 | Order processing | Order processing and fulfillment. | 9 |
| FR006 | Route optimization | Route optimization using AI algorithms. | 7 |
| FR007 | dispatch management | Real-time vehicle tracking and dispatch management | 5 |
| FR008 | notification | Customer notifications (SMS/Email) for order status updates | 5 |

9.2 Non-Functional Requirements

|  |  |  |  |
| --- | --- | --- | --- |
| **Req Id** | **Req Name** | **Req Description** | **Priority** |
| NFR001 | Availabiltiy | High availability and scalability | **8** |
| NFR002 | Security | Secure access control and user authentication | **9** |
| NFR003 | User Friendly | Mobile-friendly interfaces for drivers and warehouse managers | **7** |
| NFR004 | Integration | Integration with third-party ERP and logistics systems | **9** |

1. **Appendices**

10.1 List of Acronyms

* ERP: Enterprise Resource Planning
* AI: Artificial Intelligence
* SMS: Short Message Service

10.2 Glossary of Terms

* Inventory Management: Process of tracking and managing stock levels.
* Route Optimization: Finding the most efficient delivery routes.

10.3 Related Documents

* System Architecture Document
* User Training Manuals

**2. Prepare process flow diagram using your imagination.**

A diagram of a process

AI-generated content may be incorrect.

**Assignment 2:**

**1. Write an introduction letter to a client introducing yourself as a business analyst in charge of working with the client and his team to start the business understanding process.**

**P Singa Ram**  
Business Analyst  
Dr Reddy’s Lab  
psingaramdrl@gmail.com | 9439438835  
[Date]

**[Client’s Name]**  
[Client’s Position]  
[Client’s Company Name]  
[Client’s Email]

1. **Subject: Introduction as Your Business Analyst & Next Steps**

Dear [Client’s Name],

I hope this email finds you well. My name is P Singa Ram, and I am the Business Analyst assigned to work with you and your team on the [Project Name]. I am excited to collaborate and assist in understanding your business needs, defining project requirements, and ensuring we build a solution that aligns with your goals.

Our first step will be to conduct a **business understanding process**, where I will work closely with you to gather insights about your operations, challenges, and expectations for the project. This will help us establish a clear roadmap and ensure the final solution meets your specific needs.

I would love to schedule a **kickoff meeting** at your convenience to discuss the project scope, key objectives, and next steps. Please let me know a suitable time for you and your team.

Looking forward to working with you and making this project a success. Please feel free to reach out if you have any questions.

Best regards,  
**P Singa Ram**  
Business Analyst  
Dr Reddys’ Lab

# Prepare a brief BRD and SRS for a project- Horoscope or Ticketing system or online store.

**Business Requirements Document (BRD)**

1. **Document Revisions**

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1. **RASCI Chart for This Document:**

**3.1 Codes Used in RASCI Chart**

* R: Responsible
* A: Accountable
* S: Support
* C: Consulted
* I: Informed

**3.2 RASCI Chart**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Activity | Project Sponsor | Project Manager | Developer | QA Team | End User |
| Requirement Gathering | A | R | S | C | I |
| Development | C | A | R | S | I |
| Testing | C | A | S | R | I |
| Deployment | C | A | R | S | I |

1. **Introduction**

The Ticketing System is designed to manage and track customer or internal support requests efficiently. It enables users to create, assign, and resolve tickets while ensuring proper communication between stakeholders. The system aims to improve response times, enhance issue resolution, and provide insights into operational performance.

**4.1. Business Goals**

* Improve issue resolution time and customer satisfaction.
* Enhance internal communication and collaboration.
* Provide data insights for continuous improvement.

**4.2. Business Objectives**

* Streamline Ticket Creation & Management: Provide a structured workflow for users to submit, update, and track tickets.
* Enhance Communication: Enable notifications and collaboration between users and support agents.
* Automate Ticket Assignment: Assign tickets based on predefined rules and agent availability.
* Improve Resolution Times: Reduce delays through prioritization and escalation mechanisms.
* Provide Analytics & Reporting: Generate reports on ticket trends, resolution times, and performance metrics.

**4.3. Business Rules**

* Only registered users can create and view tickets.
* Tickets can be assigned to support agents based on priority and availability.
* Closed tickets can be reopened within 7 days if the issue persists.

**4.4. Background**

The current support system lacks a centralized platform, leading to communication gaps and delayed issue resolution. This project addresses these challenges by introducing a structured and automated ticketing solution.

**4.5. Project Objective**

To develop a centralized ticketing system that allows users to report issues, monitor their progress, and ensure timely resolution by support teams.

**4.6. Project Scope**

**4.6.1. In Scope Functionality**

* + Ticket Creation, Assignment, and Resolution
  + Automated Ticket Assignment Rules
  + Notifications and Alerts
  + Reporting and Analytics Dashboard

**4.6.2. Out Scope Functionality**

* + Integration with third-party CRM systems (planned for future phase)

1. **Assumptions**

* Users will have internet access to interact with the system.
* Support agents are available to respond to tickets during business hours.

1. **Constraints**

* The system will be hosted on the organization's cloud infrastructure.
* Compliance with organizational security and data privacy policies is mandatory.

1. **Risks**

* **Technological Risks**
  + Integration challenges with existing systems.
* **Skills Risks**
  + Learning curve for users unfamiliar with the new system.
* **Political Risks**
  + Resistance to change from internal teams.
* **Business Risks**
  + Delays in deployment affecting support operations.
* **Requirements Risks**
  + Requirement changes due to evolving business needs.
* **Other Risks**
  + Data migration issues from legacy systems.

1. **Business Process Overview**

**8.1. Legacy System (AS-IS)**

The existing system relies on manual tracking using spreadsheets, leading to inefficiencies and communication gaps.

**8.2. Proposed Recommendations (TO-BE)**

The new system will automate ticket assignment, enhance communication, and provide analytics for decision-making.

1. **Business Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Req Id** | **Req Name** | **Req Description** | **Priority** |
| BR001 | Login | User Registration and Authentication | **9** |
| BR002 | Ticket Creation | User Can create Ticket with adding all his comments | **9** |
| BR003 | Ticket Assignment | Ticket should Assign to Available Agent | **9** |
| BR004 | Close | Agent Could able to Close the Ticket after resolving the issue | **7** |
| BR005 | Notification | In each updates of Ticket an automated notification (sms/email) to the user | **5** |
| BR006 | Reporting | Admin can generate reports | **5** |

1. **Appendices**

**10.1. List of Acronyms**

* SLA: Service Level Agreement
* CRM: Customer Relationship Management

**10.2. Glossary of Terms**

* Ticket: A record of a reported issue or request.
* Agent: A support team member assigned to resolve tickets.

**10.3. Related Documents**

* System Architecture Document
* User Training Manuals

**4. Use Case Diagram**

A diagram of a ticketing system

AI-generated content may be incorrect.

**5. Use Case Specification**

**5.1 Use Case: Create Ticket**

|  |  |
| --- | --- |
| **Use Case ID** | **UC-01** |
| Name | Create Ticket |
| created By | P Singa Ram |
| Last Updated |  |
| Actor | User |
| Description | User submits a new ticket describing an issue. |
| Precondition | User must be logged into the system. |
| Postcondition | Ticket is created, assigned, and logged in the system. |
| Normal Flow/Happy Path | 1. User navigates to the "Create Ticket" page. |
| 2. User fills in required details (issue description, priority, category). |
| 3. User submits the ticket. |
| 4. System assigns the ticket to an available support agent. |
| 5. Confirmation is displayed, and a notification is sent. |
| Alternate Flow | Error message with Failure reason |
| Frequency | As needed by user |
| Assumptions | User has access to create ticket. |

**5.2 Use Case: Assign & Resolve Ticket**

|  |  |
| --- | --- |
| **Use Case ID** | **UC-02** |
| Name | Assign & Resolve Ticket |
| created By | P Singa Ram |
| Last Updated |  |
| Actor | Support Agent |
| Description | A support agent views, assigns, and resolves a ticket. |
| Precondition | A ticket must be created and pending resolution. |
| Postcondition | The ticket is resolved and marked as closed. |
| Normal Flow /Happy Path | 1. Support agent logs into the system. |
| 2. Agent views the list of open tickets. |
| 3. Agent assigns the ticket to themselves or another agent. |
| 4. Agent works on resolving the issue and updates the ticket status. |
| 5. Once resolved, the agent closes the ticket. |
| 6. System notifies the user about resolution. |
| Alternat Flow |  |
| Frequency | As needed by User |
| Assumption | User created Ticket successfully |

**5.3 Use Case: Escalate Ticket**

|  |  |
| --- | --- |
| **Use Case ID** | **UC-03** |
| Name | Escalate Ticket |
| created By | P Singa Ram |
| Last Updated |  |
| Actor | Support Agent, Administrator |
| Description | A ticket is escalated to a higher level of support. |
| Precondition | A ticket must be unresolved or require higher-level intervention. |
| Postcondition | The ticket is resolved at an appropriate support level. |
| Normal Flow /Happy Path | 1. Support agent identifies the need for escalation. |
| 2. Agent updates the ticket with escalation details. |
| 3. System notifies the administrator or senior support staff. |
| 4. The escalated ticket is reassigned to a higher-tier support agent. |
| 5. Higher-tier agent resolves and closes the ticket. |
|  |
| Alternat Flow |  |
| Frequency | As needed by User |
| Assumption | User created Ticket successfully |

**5.4 Use Case: Generate Reports**

|  |  |
| --- | --- |
| **Use Case ID** | **UC-04** |
| Name | Generate Reports |
| created By | P Singa Ram |
| Last Updated |  |
| Actor | Administrator |
| Description | The administrator generates reports on ticket trends and performance metrics. |
| Precondition | The system must contain historical ticket data. |
| Postcondition | The report is generated successfully and available for analysis. |
| Normal Flow /Happy Path | 1. Administrator logs into the system. |
| 2. Admin navigates to the reporting section. |
| 3. Admin selects the desired report type and time frame. |
| 4. System fetches and generates the report. |
| 5. Admin views, downloads, or shares the report. |
|  |
| Alternat Flow | Error Message with Failure reason |
| Frequency | As needed by User |
| Assumption | data is available |

1. **Functional Specifications**

|  |  |
| --- | --- |
| **Project name** | **Ticketing System** |
| **Customer name** | **ABC Corporation** |
| **Project Version** | **1.0** |
| **Project Sponsor** | **Mr Rahul Reddy** |
| **Project Manager** | **Mr Nagarajan** |
| **Project Initiation date** | **20.02.2025** |

**6.1 Functional Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Req Id** | **Req Name** | **Req Description** | **Priority** |
| FR001 | Create Tickets | Users can create new tickets with details such as issue type, priority, and description | 8 |
| FR002 | update ticket | Support agents can update ticket statuses (e.g., Open, In Progress, Resolved, Closed) | 7 |
| FR003 | Assign Ticket | Tickets can be assigned to specific agents or teams based on predefined rules | 8 |
| FR004 | View Ticket | Users can view and track the status and history of their submitted tickets | 5 |
| FR005 | Add Comment | Support agents can add internal notes, resolutions, and attachments to tickets | 5 |
| FR006 | Notification | Automated email/SMS notifications for ticket creation, status updates, and resolution | 7 |
| FR007 | App Notification | In-app notifications for real-time updates on ticket progress | 5 |
| FR008 | Collaboration | Collaboration tools for communication between users and support agents within the ticket | 5 |
| FR009 | Automate Assignment | Automated ticket assignment based on agent availability, skills, and workload | 5 |
| FR0010 | Escalate | Escalation mechanisms for high-priority or overdue tickets | 5 |
| FR0011 | reassignment | Manual reassignment of tickets by supervisors or managers | 5 |
| FR0012 | View Report | Dashboard displaying key metrics such as ticket volume, resolution time, and agent performance | 7 |
| FR0013 | Export report | Export reports in various formats (e.g., Excel, PDF) | 5 |
| FR0014 | Access Control | Role-based access control for users, support agents, supervisors, and administrators | 9 |

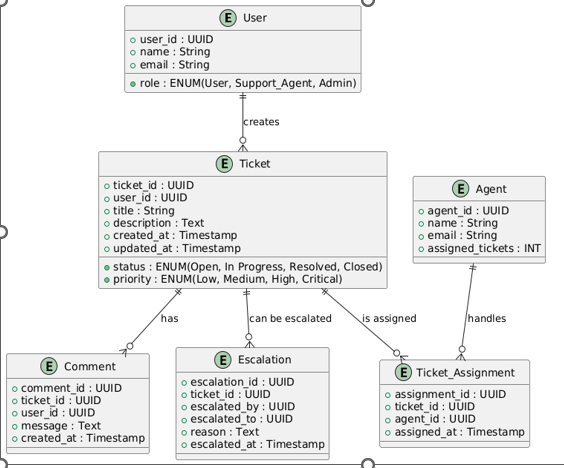
**6.2 Non-Functional Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **Req Id** | **Req Name** | **Req Description** | **Priority** |
| NFR001 | Performance | The system should support concurrent access by at least 1000 users without performance degradation | 7 |
| NFR002 | Scalability | Scalability to handle increased ticket volume during peak periods | 7 |
| NFR003 | Security | Secure data storage and transmission with encryption (e.g., SSL/TLS) | 9 |
| NFR004 | Auditing | Regular security audits and vulnerability assessments | 5 |
| NFR005 | Usability & Accessibility | Responsive design for compatibility with desktop, tablet, and mobile devices | 5 |
| NFR006 | Reliability & Availability | Automatic failover and disaster recovery mechanisms | 5 |
| NFR007 | Integration & Compatibility | Compatibility with major browsers (e.g., Chrome, Firefox, Safari, Edge) | 5 |
| NFR008 | Maintainability & Support | Modular architecture for easy maintenance and updates | 5 |

# Make an ERD of creating a support ticket.

A diagram of a company

AI-generated content may be incorrect.



# User story of shopping from ecommerce.

|  |  |  |
| --- | --- | --- |
| User Story No: 1 | Tasks: 03 | Priority: High |
| I WANT TO CREATE AN ACCOUNT SO THAT I CAN SAVE MY PERSONAL DETAILS AND TRACK ORDERS | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria: ✅ Users should be able to register with an email and password. ✅ Users should receive a confirmation email upon successful registration. ✅ Users should be able to log in using their credentials. ✅ Users should be able to reset their password if forgotten. | | |
|  |  |  |
| User Story No: 2 | | **Tasks: 03** | Priority: High |
| Acceptance Criteria:  As a user, I want to log in securely using my email and password so that I can access my account. | | |
| **BV:** 500 | CP: 03 | |
| Acceptance Criteria:  Secure password authentication. ✔ "Remember Me" functionality. ✔ Error handling for invalid credentials. | | |
|  |  |  |
| User Story No: 3 | Tasks: 04 | Priority: High |
| As a user, I want to reset my password if I forget it so that I can regain access to my account. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Password reset via email. ✔ Password reset link expiration. ✔ Secure password reset process. | | |
|  |  |  |
| User Story No: 4 | Tasks: 04 | Priority: High |
| As a user, I want to update my profile details so that my information is up to date. | | |
| **BV:** 200 | CP: 03 | |
| ✔Acceptance Criteria:  Profile update form. Validation for profile fields. Confirmation message on update. | | |
|  |  |  |
| User Story No: 5 | Tasks: 04 | Priority: High |
| As a user, I want to view my order history so that I can track my past purchases. | | |
| **BV:** 100 | CP: 03 | |
| Acceptance Criteria:  ✔ Order history page. ✔ Display of order details (date, items, amount). ✔ Option to reorder. | | |
|  |  |  |
| User Story No: 6 | Tasks: 04 | Priority: High |
| As a user, I want to browse products by category so that I can easily find what I need. | | |
| **BV:** 100 | CP: 03 | |
| Acceptance Criteria:  ✔ Product categories displayed. ✔ Category pages with product listings. ✔ Clear navigation between categories. | | |
|  |  |  |
| User Story No: 7 | Tasks: 04 | Priority: High |
| As a user, I want to search for products using keywords so that I can quickly find items. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Search bar functionality. ✔ Relevant search results. ✔ Handling of no results. | | |
|  |  |  |
| User Story No: 8 | Tasks: 04 | Priority: High |
| As a user, I want to filter products by price, brand, and rating so that I can narrow my search results. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Filter options for price, brand, and rating. ✔ Dynamic update of results on filter selection. ✔ Clear display of applied filters. | | |
|  |  |  |
| User Story No: 9 | Tasks: 04 | Priority: High |
| As a user, I want to sort products by price, popularity, and ratings so that I can find the best deals. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Sort options for price, popularity, and ratings. ✔ Accurate sorting of results. ✔ Visual indication of current sorting order. | | |
|  |  |  |
| User Story No: 10 | Tasks: 04 | Priority: High |
| As a user, I want to view product details so that I can learn more about a product before purchasing. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Detailed product page. ✔ Product images, description, specifications. ✔ Customer reviews and ratings. | | |
|  |  |  |
| User Story No: 11 | Tasks: 04 | Priority: High |
| As a user, I want to add products to my shopping cart so that I can purchase them later. | | |
| **BV:** 500 | CP: 03 | |
| Acceptance Criteria:  ✔ "Add to Cart" button on product page. ✔ Confirmation message on adding to cart. ✔ Cart icon showing number of items. | | |
| User Story No: 12 | Tasks: 04 | Priority: High |
| As a user, I want to remove products from my cart if I change my mind. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Remove" option for cart items. ✔ Update of cart total on removal. ✔ Confirmation message on removal. | | |
|  |  |  |
| User Story No: 13 | Tasks: 04 | Priority: High |
| As a user, I want to update the quantity of items in my cart so that I can adjust my order. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Quantity input field for cart items. ✔ Update of cart total on quantity change. ✔ Validation for quantity input. | | |
|  |  |  |
| User Story No: 14 | Tasks: 04 | Priority: High |
| As a user, I want to save products to my wishlist so that I can buy them later. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Add to Wishlist" button on product page. ✔ Confirmation message on adding to wishlist. ✔ Wishlist page with saved items. | | |
|  |  |  |
| User Story No: 15 | Tasks: 04 | Priority: High |
| As a user, I want to move items from my wishlist to my cart so that I can easily purchase them. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Move to Cart" option on wishlist items. ✔ Update of cart and wishlist on moving items. | | |
|  |  |  |
| User Story No: 16 | Tasks: 04 | Priority: High |
| As a user, I want to enter my shipping details so that my order is delivered to the correct address. | | |
| **BV:** 500 | CP: 03 | |
| Acceptance Criteria:  ✔ Shipping address form. ✔ Validation for address fields. ✔ Option to save multiple addresses. | | |
|  |  |  |
| User Story No: 17 | Tasks: 04 | Priority: High |
| As a user, I want to select a payment method (credit card, PayPal, etc.) so that I can complete my purchase. | | |
| **BV:** 500 | CP: 03 | |
| Acceptance Criteria:  ✔ Integration with payment gateways (Stripe, PayPal, etc.). ✔ Secure handling of payment information. ✔ Support for multiple payment methods. | | |
|  |  |  |
| User Story No: 18 | Tasks: 04 | Priority: High |
| As a user, I want to apply discount codes at checkout so that I can save money. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Discount code input field. ✔ Validation for discount codes. ✔ Update of order total on applying discount. | | |
|  |  |  |
| User Story No: 19 | Tasks: 04 | Priority: High |
| As a user, I want to review my order summary before payment so that I can ensure everything is correct. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Order summary page with all details. ✔ Clear display of items, shipping address, payment method, and total. ✔ Option to edit order before proceeding. | | |
|  |  |  |
| User Story No: 20 | Tasks: 04 | Priority: High |
| As a user, I want to receive an order confirmation email so that I have proof of my purchase. | | |
| **BV: 100** | CP: 03 | |
| Acceptance Criteria:  ✔ Automated order confirmation email. ✔ Email includes order details and tracking information. | | |
|  |  |  |
| User Story No: 21 | Tasks: 04 | Priority: High |
| As a user, I want to track my order status so that I know when it will be delivered. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Order tracking page. ✔ Real-time updates on order status. ✔ Estimated delivery date and time. | | |
|  |  |  |
| User Story No: 22 | Tasks: 04 | Priority: High |
| As a user, I want to get notifications for order dispatch and delivery so that I stay informed. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Email or SMS notifications for dispatch and delivery. ✔ Customizable notification preferences. | | |
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| User Story No: 23 | Tasks: 04 | Priority: High |
| As a user, I want to change my shipping address before dispatch so that my order reaches the correct location. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Option to edit shipping address on order tracking page. ✔ Validation for new address. ✔ Confirmation message on address update. | | |
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| User Story No: 24 | Tasks: 04 | Priority: High |
| As a user, I want to view the estimated delivery time so that I can plan accordingly. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Estimated delivery time displayed on order tracking page. ✔ Updates to delivery time if delays occur. | | |
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| User Story No: 25 | Tasks: 04 | Priority: High |
| As a user, I want to contact customer support regarding my order if I have any issues. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Contact Support" link on order tracking page. ✔ Integration with customer support system. | | |
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| User Story No: 26 | Tasks: 04 | Priority: High |
| As a user, I want to request a return if I receive a defective or incorrect product. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Request Return" option on order details page. ✔ Reason for return selection (e.g., defective, wrong item, size issue). ✔ Option to upload supporting images/videos. ✔ Confirmation message on return request. ✔ Return request status tracking. | | |
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| As a user, I want to schedule a pickup for returned items so that I don’t have to visit a store. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Option to schedule pickup date and time. ✔ Address selection for pickup (same as delivery or new address). ✔ Confirmation of pickup schedule (date, time, address). ✔ Integration with logistics provider for pickup scheduling. ✔ Option to reschedule or cancel pickup. | | |
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| User Story No: 28 | Tasks: 04 | Priority: High |
| As a user, I want to get a refund after my return is approved so that I can receive my money back. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Refund initiated automatically after return approval. ✔ Refund amount calculation (including any applicable deductions). ✔ Notification to user about refund initiation. ✔ Refund status tracking (e.g., pending, processed, completed). ✔ Support for multiple refund methods (original payment method, store credit, etc.). | | |
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| User Story No: 29 | Tasks: 04 | Priority: High |
| As a user, I want to exchange a product instead of returning it so that I get the correct item. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Request Exchange" option on order details page. ✔ Option to select the replacement item (same product in different size/color, or different product). ✔ Exchange request approval process. ✔ Shipping of replacement item after receiving returned item. ✔ Tracking of exchange order. | | |
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| User Story No: 30 | Tasks: 04 | Priority: High |
| As a user, I want to receive an email notification about my refund status so that I stay updated. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Automated email notifications about refund status changes (e.g., initiated, processed, completed). ✔ Clear information about refund amount and method in the email. | | |
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| User Story No: 31 | Tasks: 04 | Priority: High |
| As a user, I want to leave a review for a product so that I can share my experience. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Text review input field. ✔ Option to add images/videos to the review. ✔ Review submission process. ✔ Display of user's review on the product page. | | |
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| User Story No: 32 | Tasks: 04 | Priority: High |
| As a user, I want to rate a product with stars so that I can provide feedback. | | |
| **BV:** 500 | CP: 03 | |
| Acceptance Criteria:  ✔ Star rating system (e.g., 1 to 5 stars). ✔ Clear visual representation of the rating. ✔ Aggregation of ratings to display average rating. | | |
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| User Story No: 33 | Tasks: 04 | Priority: High |
| As a user, I want to view other users’ reviews before purchasing so that I can make an informed decision. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Display of reviews on product page. ✔ Sorting and filtering options for reviews (e.g., by rating, date). ✔ Clear indication of reviewer information (e.g., username, date). | | |
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| User Story No: 34 | Tasks: 04 | Priority: High |
| As a user, I want to report fake or inappropriate reviews so that the platform maintains quality. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Report" button or link on reviews. ✔ Reporting process with reason selection. ✔ Moderation system for handling reported reviews. | | |
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| User Story No: 35 | Tasks: 04 | Priority: High |
| As a user, I want to ask questions about a product so that I can get more details before buying. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ "Ask a Question" section on product page. ✔ Question input field. ✔ Display of questions and answers. ✔ Notification to sellers about new questions. | | |
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| User Story No: 36 | Tasks: 04 | Priority: High |
| As an admin, I want to add new products to the catalog so that customers can purchase them. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Product creation form with required fields (name, description, price, images, etc.). ✔ Product categories and tags management. ✔ Product visibility and status control (e.g., active, inactive). ✔ Confirmation message on successful product creation. | | |
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| User Story No: 37 | Tasks: 04 | Priority: High |
| As an admin, I want to manage product inventory so that out-of-stock products are updated. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Real-time inventory tracking. ✔ Low stock alerts and notifications. ✔ Option to update inventory levels manually or via bulk upload. ✔ Automatic update of product status to "out of stock" when quantity reaches zero. | | |
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| User Story No: 38 | Tasks: 04 | Priority: High |
| As an admin, I want to process orders and manage deliveries so that customers receive their items on time. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Order management dashboard with order details and status. ✔ Option to assign orders to delivery personnel. ✔ Integration with delivery tracking system. ✔ Delivery status updates and notifications. | | |
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| User Story No: 39 | Tasks: 04 | Priority: High |
| As a seller, I want to view sales analytics and reports so that I can track my business performance. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Sales dashboard with key metrics (revenue, orders, units sold, etc.). ✔ Customizable reports with filters and date range selection. ✔ Data visualization tools (charts, graphs) to display sales trends. | | |
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| User Story No: 40 | Tasks: 04 | Priority: High |
| As a seller, I want to respond to customer queries about my products so that I can provide better service. | | |
| **BV:** 200 | CP: 03 | |
| Acceptance Criteria:  ✔ Customer query management system. ✔ Notification of new customer queries. ✔ Option to respond to queries and track their status. ✔ Integration with customer support system. | | |