



Darshan University

A Project Report on

“Textile business management system”

Under the subject

Software Engineering (2101CS503)

B. Tech, Semester – V

Computer Science & Engineering Department

Submitted By

Student Name: Nirav G. Kagathara

Enrollment No.:22010101443

Academic Year

(2024-2025)

Internal Guide

Prof. Rajkumar B. Gondaliya

Darshan University

Dean-DIET

Dr. Gopi Sanghani

Darshan University



**Computer Science & Engineering
Department
Darshan University**

DECLARATION

We hereby declare that the SRS, submitted along with the **Software Engineering (2101CS503)** for entitled “**Textile Management System**” submitted in partial fulfilment for the Semester-5 of **Bachelor Technology (B. Tech)** in **Computer Science and Engineering (CSE)** Department to Darshan University, Rajkot, is a record of the work carried out at **Darshan University, Rajkot** under the supervision of **Prof. Rajkumar B. Gondaliya** and that no part of any of report has been directly copied from any students’ reports, without providing due reference.

Nirav G. Kagathara

Student’s Signature

Date: / /



**Computer Science & Engineering
Department
Darshan University**

CERTIFICATE

This is to certify that the SRS on “**Textile management system**” has been satisfactorily prepared by **Nirav G. Kagathara (22010101443)** under my guidance in the fulfillment of the course **Software Engineering (2101CS503)** work during the academic year 2024-2025.

Internal Guide
Prof. Rajkumar B. Gondaliya
Darshan University

Dean-DIET
Dr. Gopi Sanghani
Darshan University

ACKNOWLEDGEMENT

I wish to express my sincere gratitude to my project guide **Prof. Rajkumar B. Gondaliya** and all the faculty members for helping me through my project by giving me the necessary suggestions and advices along with their valuable co-ordination in completing this work.

I also thank my parents, friends and all the members of the family for their precious support and encouragement which they had provided in completion of my work. In addition to that, I would also like to mention the Darshan University personals who gave me the permission to use and experience the valuable resources required for the project from the University premises.

Thus, in conclusion to the above said, I once again thank the faculties and members of **Darshan University** for their valuable support in completion of the project.

Thanking You

Nirav G. Kagathara

ABSTRACT

The Textile Business Management System is a comprehensive software solution aimed at optimizing operations and facilitating seamless communication between administrators and distributors within the textile industry. Textile Business Management System offers essential functionalities including user management, enabling user registration, login, profile management, and access control for both administrators and distributors. Administrators can efficiently oversee the product catalog, managing additions, modifications, and deletions, along with inventory and pricing management. Distributors can place orders, which administrators can review, approve, or reject, with real-time order tracking to ensure transparency. Secure payment processing for distributor orders is integrated, alongside automated invoice generation and distribution, coupled with payment status tracking and reminders. Robust reporting and analytics capabilities provide administrators with comprehensive sales and inventory insights, while distributors gain access to performance analytics and sales trends. A built-in in-app messaging system fosters efficient communication between all stakeholders, with notifications and alerts keeping users informed of critical updates. The system places a strong emphasis on security, implementing data encryption and user authentication measures to protect sensitive information.

Table of Contents

List of Figures.....	I
List of Tables.....	II
1 Introduction.....	3
1.1 Product perspective	3
1.2 Product features	3
1.2.1 There are two different users who will be using this product:.....	3
1.2.2 The features that are required for the Admin are:.....	3
1.2.3 The features that are required for the Distributors are:	3
1.3 Functional Requirement	4
1.3.1 Admin	4
1.3.2 Distributors	4
1.4 Non-Functional Requirement	5
1.4.1 Usability:	5
1.4.2 Availability:	5
1.4.3 Maintainability:.....	5
1.4.4 Error Handling:.....	5
1.4.5 Compatibility:	5
2 Design and Implementation Constraints.....	6
2.1 Use case diagram	6
2.2 Activity diagram and Swimlane diagram	7
2.2.1 Activity diagram.....	7
2.2.2 Swimlane diagram	8
2.3 Sequence diagram.....	9
2.4 State diagram.....	10
2.5 Class diagram	11
2.6 Data flow diagram.....	12
2.6.1 Context diagram (level-0)	12
2.6.2 DFD Level-1.....	13
2.6.3 DFD Level-2.....	14
3 External interface requirement (Screens)	15
3.1 Screen-1: Shipment & logistic	15
3.2 Screen-2: Payment screen	16
3.3 Screen-3: Delivery status screen	17
3.4 Screen-4: Change Password	18
3.5 Screen-5: Add New Customer	19
4 Database design	20
4.1 List of Tables	20

5	Stories and Scenario	24
5.1	Story-1: Admin Product management	24
5.1.1	Scenario# S1.1	24
5.1.2	Scenario# S1.2	24
5.1.3	Scenario# S1.3	24
5.1.4	Scenario# S1.4	25
5.2	Story-2: Admin Distributor management	25
5.2.1	Scenario# S2.1	25
5.2.2	Scenario# S2.2	25
5.2.3	Scenario# S2.3	26
6	Test cases	27
7	References.....	32

List of Figures

Figure 2.1-1 Use case diagram for textile business management system.....	6
Figure 2.2-1 Activity diagram for textile business management system.....	7
Figure 2.2-2 Swimlane diagram for textile business management system	8
Figure 2.3-1 Sequence diagram for textile business management system	9
Figure 2.4-1 State diagram of textile business management system.....	10
Figure 2.4-2 State diagram-2 of textile business management system.....	10
Figure 2.5-1 Class diagram for Textile management system	11
Figure 2.6-1 Context diagram for Textile management system.....	12
Figure 2.6-2 DFD level-1 for Textile management system	13
Figure 2.6-3 DFD level-2 for Issue book	14
Figure 3.1-1 Screen-1: shipment and logistic	15
Figure 3.2-1 Screen-2: Payment screen.....	16
Figure 3.3-1 Screen-3: Delivery status screen	17

List of Tables

Table 3.1-1 shipment and logistic.....	15
Table 3.2-1 Screen element of Payment screen.....	16
Table 3.3-1 Screen element of Delivery status screen	17
Table 4.1-1 Table: Admin	20
Table 4.1-2 Table: Distributer.....	20
Table 4.1-3 Table: Product Type table	20
Table 4.1-4 Table: Product Color	21

1 Introduction

1.1 Product perspective

The Textile Business Management System (TBMS) exists as an integral part of the textile business framework. It interfaces with external payment gateways to ensure secure transactions and may integrate with existing inventory management systems. TBMS provides user-friendly web interfaces accessible via standard web browsers. Hardware requirements are minimal, relying on standard computing equipment and internet connectivity. It maintains compatibility across various operating systems and web browsers to ensure broad accessibility. TBMS interacts with external systems for payment processing, email notifications, and data synchronization. Regulatory compliance is a priority, ensuring adherence to industry standards. Overall, TBMS seamlessly integrates with existing systems, prioritizing security and compliance to enhance operational efficiency.

1.2 Product features

1.2.1 There are two different users who will be using this product:

- Admin who will be acting as the administrator.
- Distributors who will be accessing the system.

1.2.2 The features that are required for the Admin are:

- Admin should have the ability to create and manage user accounts, including distributor accounts, with access control and user profile management features.
- Administrators require comprehensive tools to manage the product catalog, including adding, editing, and removing products. They should also manage pricing and discounts.
- Admin need a workflow for reviewing and approving/rejecting distributor orders. This should include access to order details and the ability to modify or cancel orders if necessary.
- Inventory tracking features are essential, allowing administrators to monitor product availability, receive low-stock alerts, and manage restocking efficiently.
- Admins should be able to generate invoices for approved orders, manage invoice records, and handle any discrepancies or disputes.
- Detailed sales and inventory reports, along with analytics tools, are crucial for administrators to make informed decisions and plan inventory and pricing strategies.
- Admins require in-app messaging capabilities to communicate with distributors, addressing inquiries, providing support, and sharing important updates.

1.2.3 The features that are required for the Distributors are:

- Distributors require access to the product catalog with up-to-date information on available products, including pricing and discounts.
- Distributors need the ability to place orders for textile products easily, with a user-friendly order submission process.
- Real-time order status tracking features are essential, allowing distributors to monitor the progress of their orders from submission to delivery.
- Secure payment processing capabilities should be available to facilitate payments for placed orders.

1.3 Functional Requirement

1.3.1 Admin

- **Distributors Management:** Admins should have the ability to create, modify, and delete distributors . Admins should be able to assign and manage user roles and permissions.
- **Product Catalog Management:** Admins should be able to add, edit, and delete products in the catalog. They should be able to set product attributes such as name, description, price, and availability. Admins should manage product categories and organize products accordingly.
- **Pricing and Discount Management:** Admins should be able to set and adjust product prices. They should have the capability to define and manage discounts, including seasonal promotions or bulk order discounts.
- **Order Review and Approval:** Admins should have access to a dashboard displaying incoming distributor orders. They should be able to review order details, including product quantities, prices, and distributor information. Admins should approve or reject distributor orders, with the ability to provide reasons for rejection if necessary.
- **Inventory Management:** Admins should be able to monitor real-time inventory levels for all products. Admins should initiate restocking processes and specify quantities to reorder.
- **Reporting and Analytics:** Admins should have access to sales reports, inventory reports, and performance analytics. Sales reports should include data on sales volumes, revenue, and profit margins over customizable time frames. Inventory reports should display current stock levels for all textile products. Performance analytics should provide insights into top-performing products, best-selling categories, and distributor sales trends.
- **Exporting and Sharing:** Admins should be able to export reports, analytics data, and other critical information in common formats (e.g., CSV, PDF) for further analysis or sharing with stakeholders.

1.3.2 Distributors

- **Product Catalog Access:** Distributors should have access to the complete product catalog, including details such as product names, descriptions, prices, and availability.
- **Order Placement:** Distributors should be able to place orders for textile products, specifying product quantities and delivery preferences.
- **Order Tracking :** Distributors should be able to track the status of their orders in real-time. Order statuses should include order received, order approved, order shipped, and order delivered.
- **Payment Processing:** Distributors should have the ability to make secure payments for their orders using various payment methods (e.g., credit card, bank transfer).
- **Profile Management:** Distributors should be able to update their profile information, including contact details and business information.
- **Order History and Records:** Distributors should have access to their order history and records enabling them to view past orders, invoices, and payment receipts.

1.4 Non-Functional Requirement

1.4.1 Usability:

- The user interface should be intuitive and user-friendly, requiring minimal training for distributors to navigate and place orders efficiently.

1.4.2 Availability:

- The system should be available 24/7, with a targeted uptime of 99.9%, ensuring that distributors can access and use it at any time.

1.4.3 Maintainability:

- The software should be easily maintainable and adding new features and making changes to the software must be as simple as possible. In addition to this, the software must also be portable.

1.4.4 Error Handling:

- The system should provide clear and user-friendly error messages to distributors in case of any issues, helping them understand the problem and how to resolve it.

1.4.5 Compatibility:

- The system should be compatible with a wide range of web browsers and devices (e.g., desktops, tablets, smartphones) to accommodate the diverse preferences of distributors.

2 Design and Implementation Constraints

2.1 Use case diagram



Figure 2.1-1 Use case diagram for textile business management system

2.2 Activity diagram and Swimlane diagram

2.2.1 Activity diagram

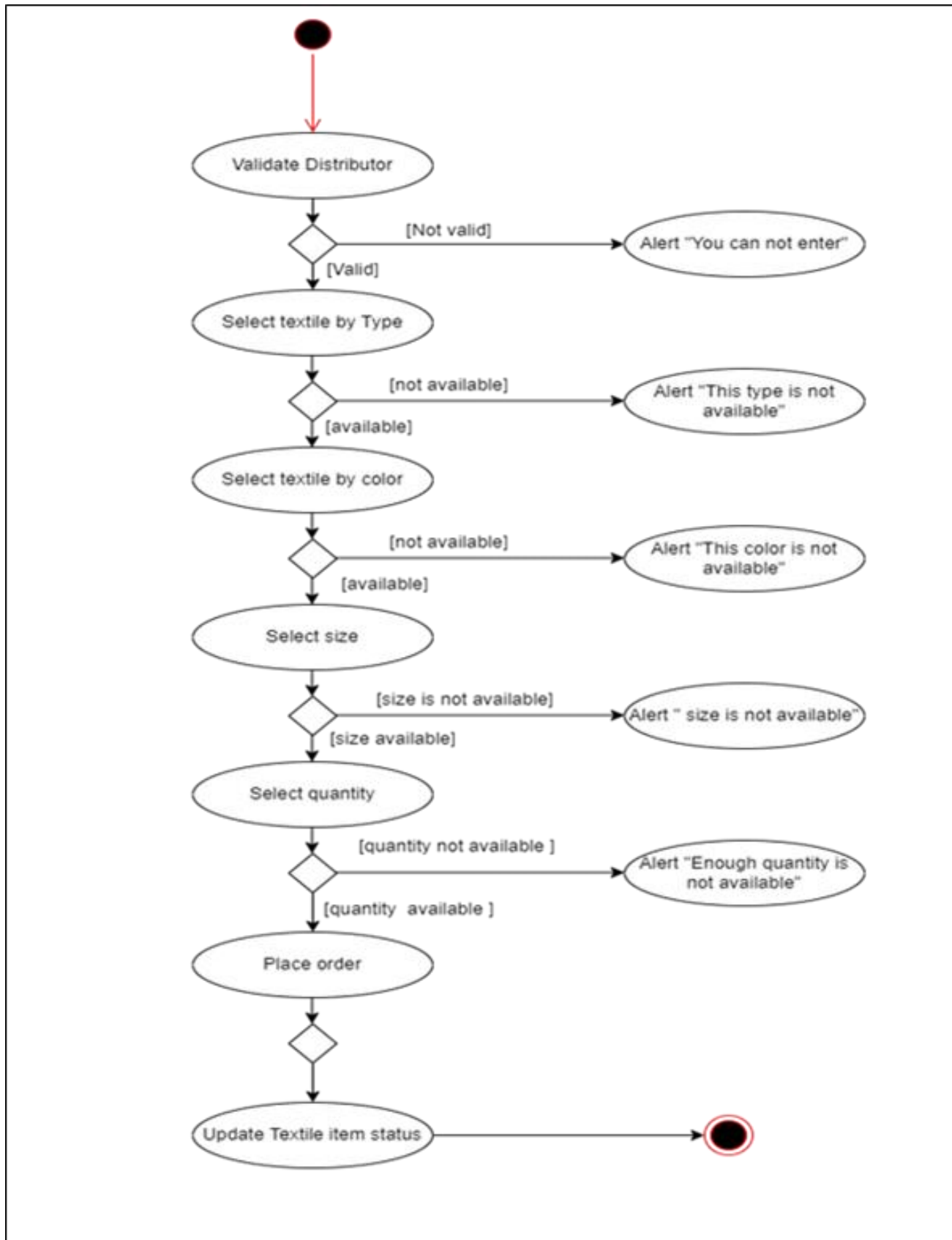


Figure 2.2-1 Activity diagram for textile business management system

2.2.2 Swimlane diagram

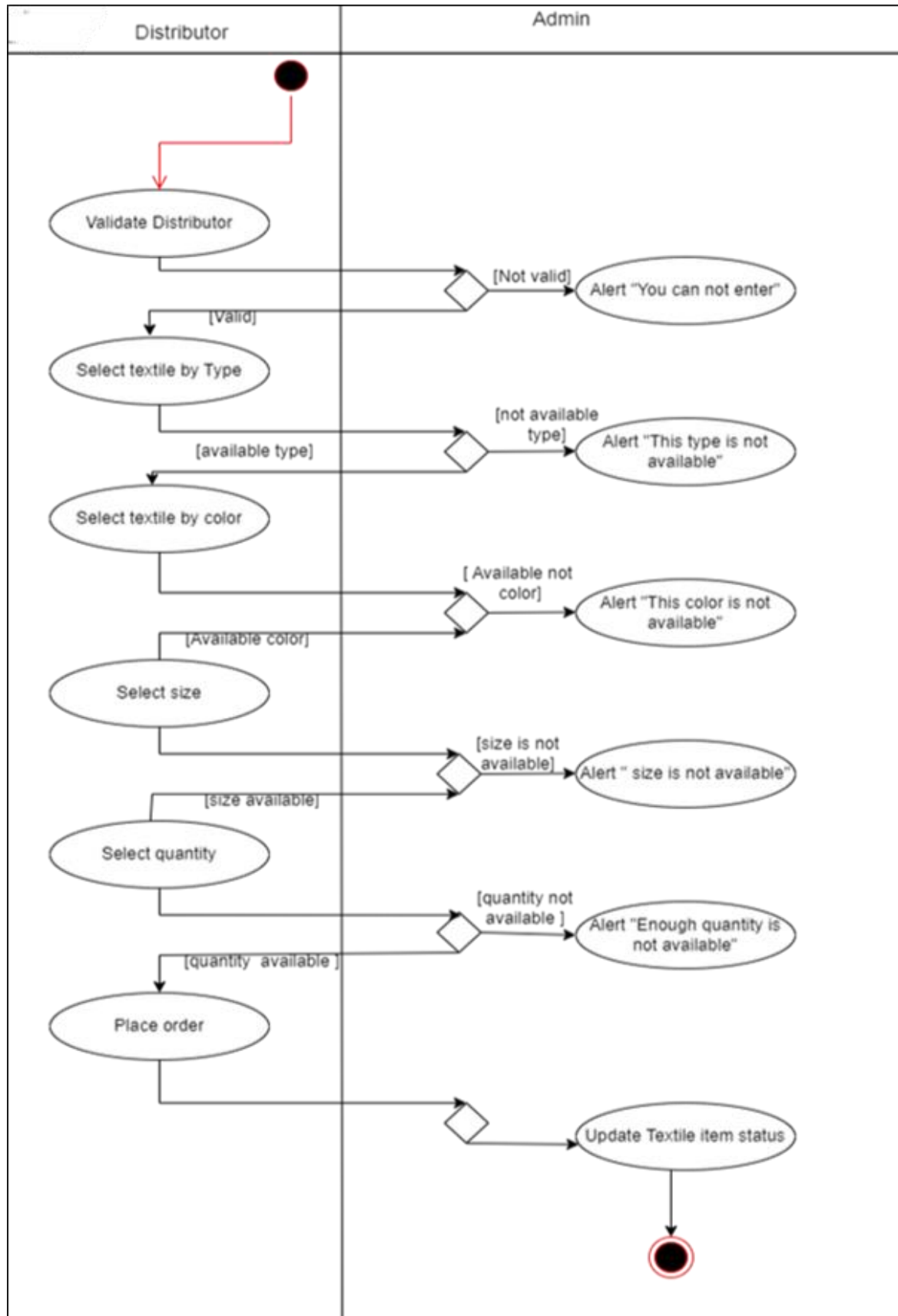


Figure 2.2-2 Swimlane diagram for textile business management system

2.3 Sequence diagram

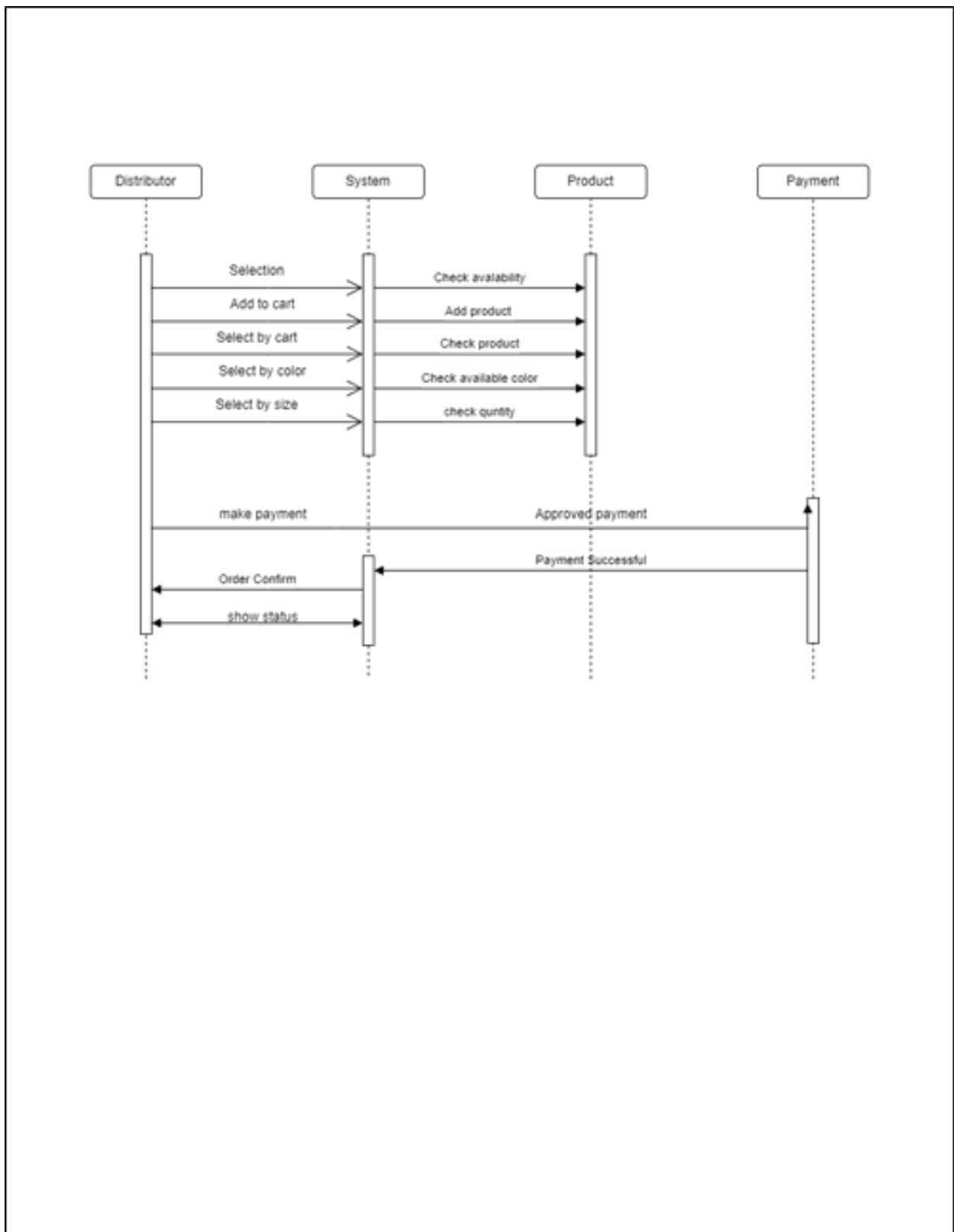


Figure 2.3-1 Sequence diagram for textile business management system

2.4 State diagram

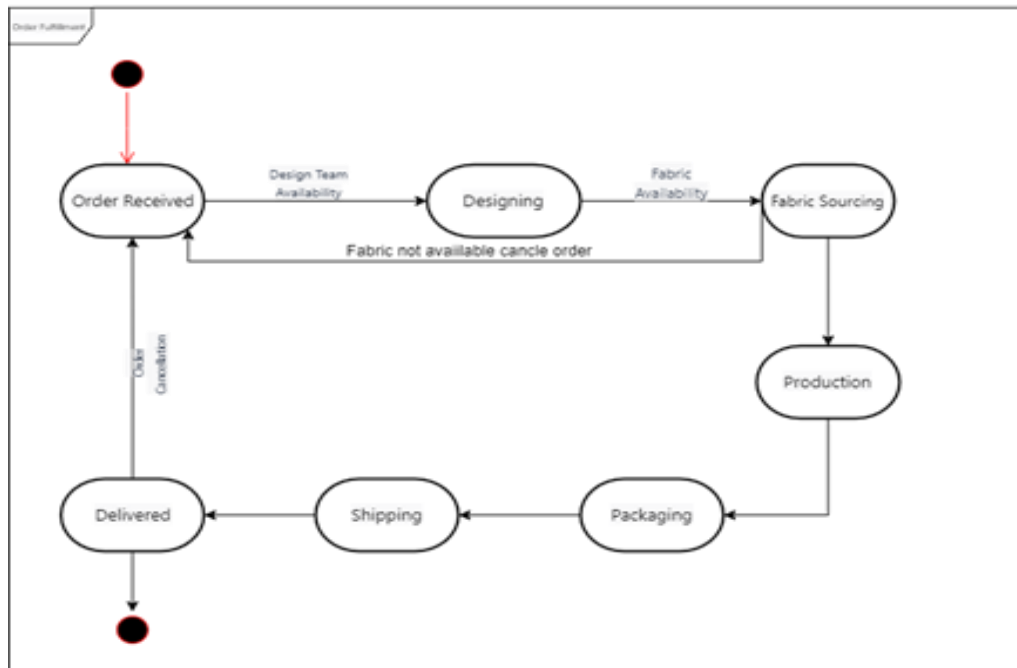


Figure 2.4-1 State diagram of textile business management system

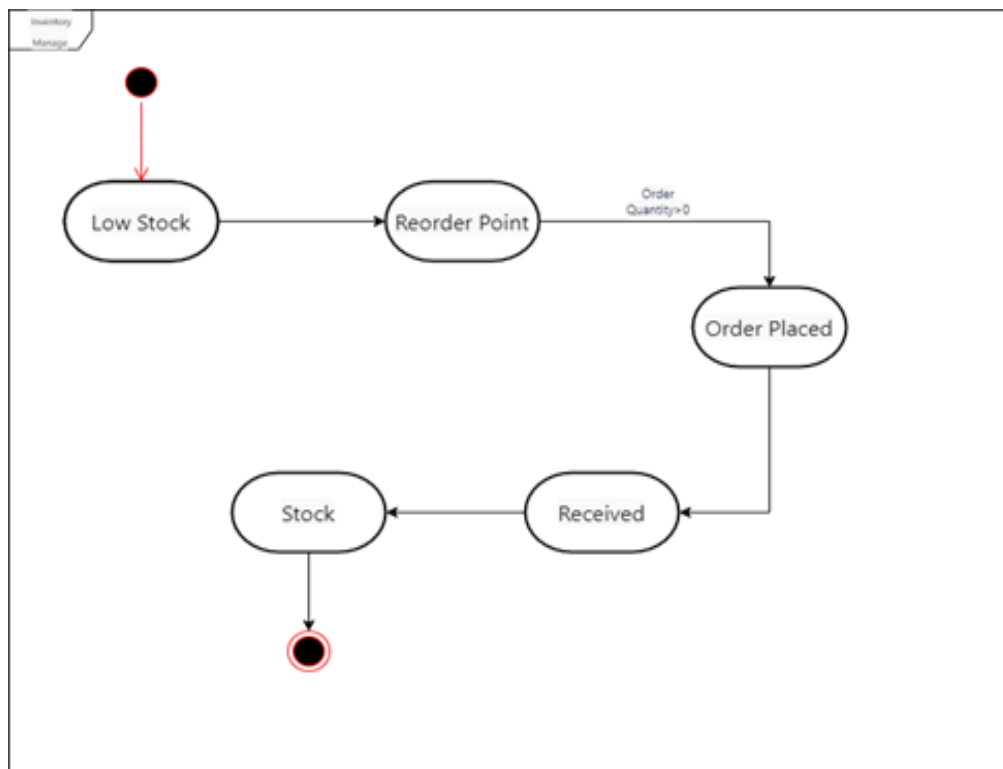


Figure 2.4-2 State diagram-2 of textile business management system

2.5 Class diagram

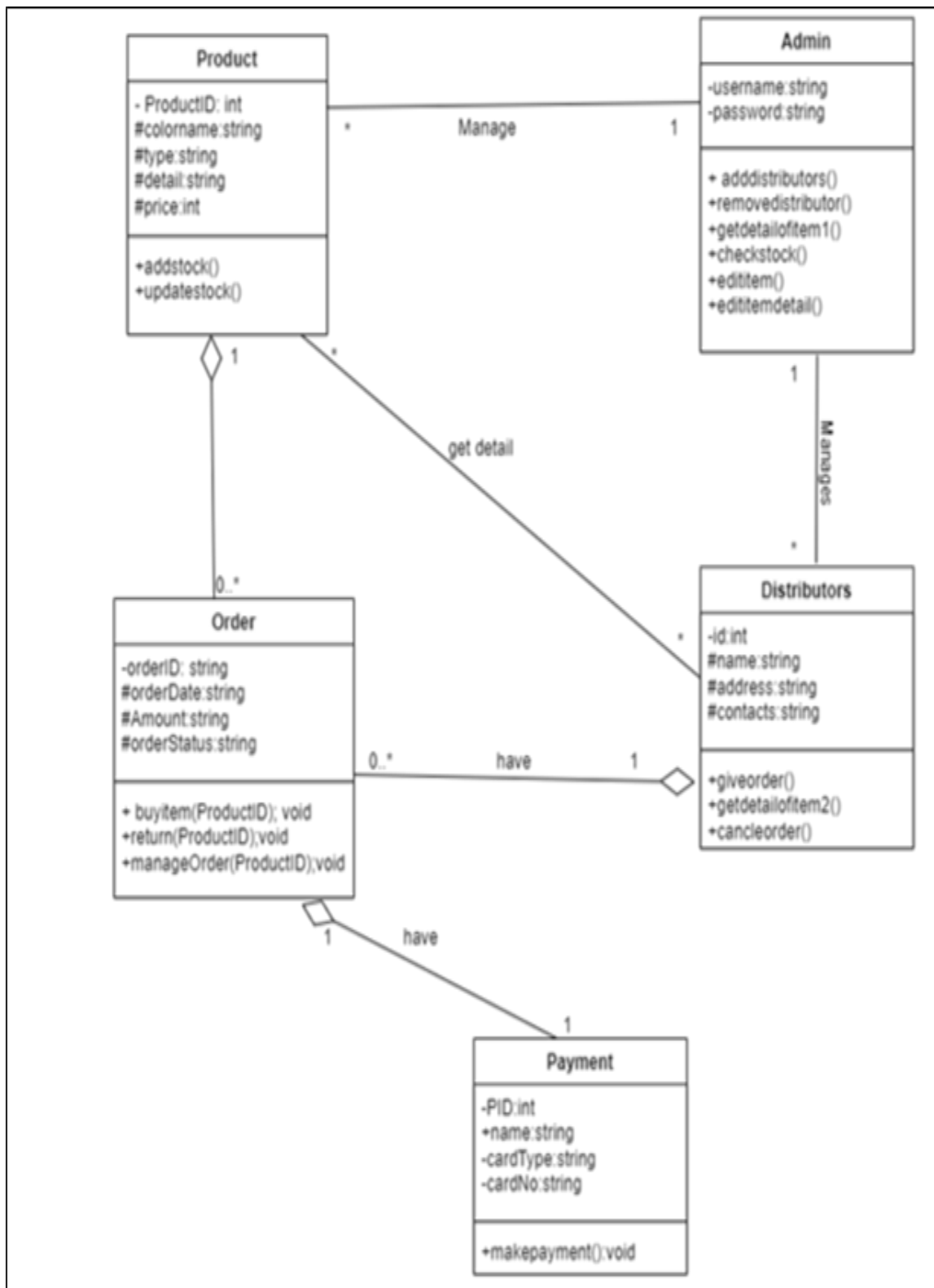


Figure 2.5-1 Class diagram for Textile management system

2.6 Data flow diagram

2.6.1 Context diagram (level-0)

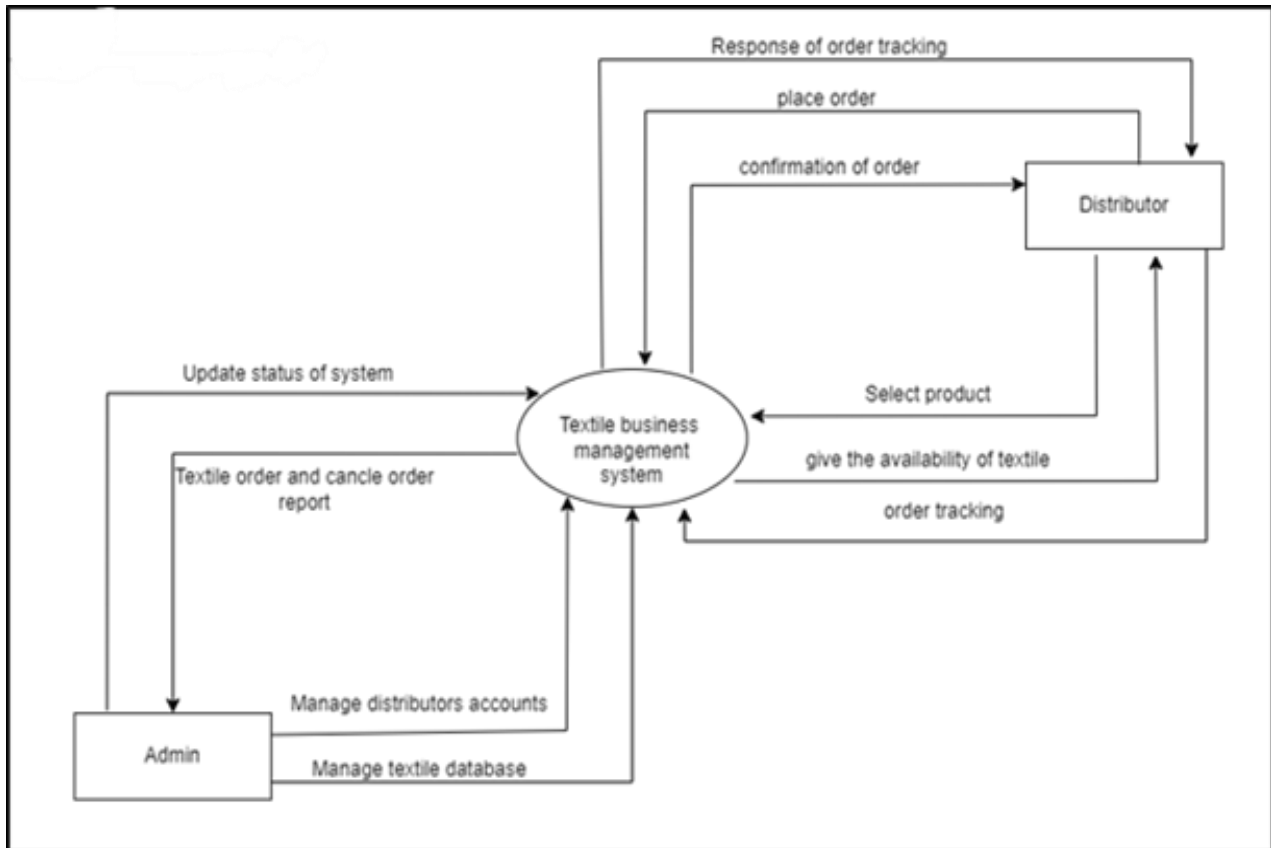


Figure 2.6-1 Context diagram for Textile management system

SRS – Textile Business Management System

2.6.2 DFD Level-1

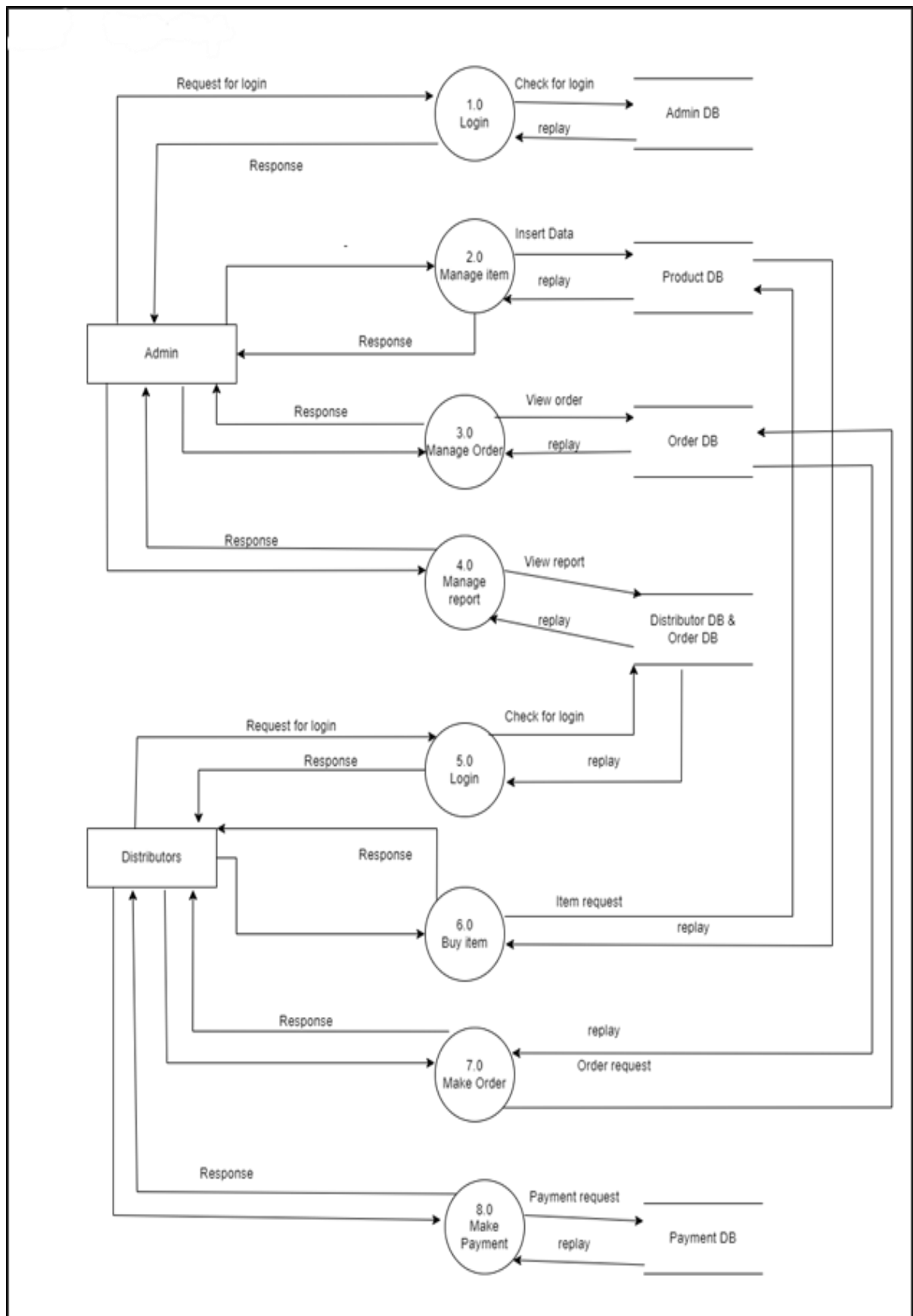


Figure 2.6-2 DFD level-1 for Textile management system

2.6.3 DFD Level-2

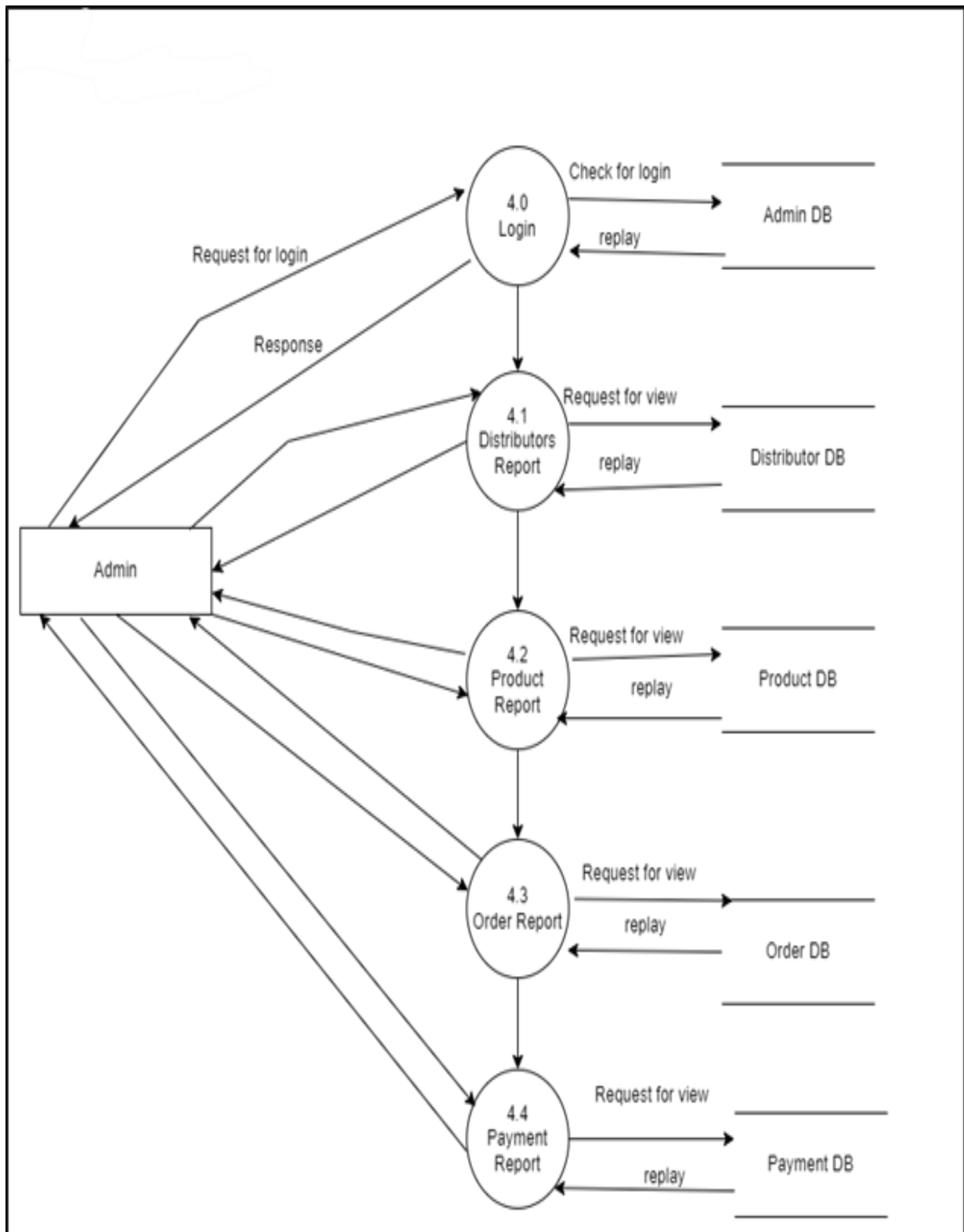


Figure 2.6-3 DFD level-2 for Issue book

3 External interface requirement (Screens)

3.1 Screen-1: Shipment & logistic

Figure 3.1-1 Screen-1: shipment and logistic

Purpose: This module will allow the system administrator or staff to enter the shipment details of any order which will be further helpful for the customer for tracking their order details.

Table 3.1-1 shipment and logistic

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Shipment ID	Textbox	M	1	Shipment ID field should be editable and fill autogenerated Shipment ID.
2	Product	Textbox	M	M	It takes product name as input from user.
3	Quantity	Textbox	M	N	It takes product quantity name as input from user.
4	Destination	Textbox	O	1	It takes product destination name as input from user.
5	Shipping Date	Textbox	M	1	It takes product shipping date as input from user.
6	Carrier	Textbox	M	1	It takes product carrier name as input from user.
7	Tracking Number	Textbox	M	1	It takes product Tracking number name as input from user.
8	Status	Button	M	1	It takes product Status as input from user
9	Comments	Button	O	----	If user want to enter any comment user can enter here in comment box.
10	Submit	Button	----	----	Submit is a button used to submit shipment details

3.2 Screen-2: Payment screen

Figure 3.2-1 Screen-2: Payment screen

Purpose: This module will allow the system administrator to add, edit, update or delete borrowers of book. The admin can add borrower information and manage it.

Table 3.2-1 Screen element of Payment screen

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Owner	Textbox	M	1	Name field should be editable and accept the name which is credit/debit card
2	Card Number	Textbox	M	1	This field should be editable and accept number As per credit/debit card
3	CVV	Int	M	1	This field should be editable and accept 3 digit as per credit/debit card
4	Expiration date	Date	M	1	It should be editable.and select date
5	Confirmation	Button	M	1	Your amount will pay after click this

3.3 Screen-3: Delivery status screen

Figure 3.3-1 Screen-3: Delivery status screen

Purpose: This Module show delivery status in modal show all order detail about the order.

Table 3.3-1 Screen element of Delivery status screen

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	ShipmentID	Int	M	1	Display ShipmentID on the top of screen.
2	Arrival Date	Date	M	1	Display date of arrival.
3	From	Textbox	M	1	Its display the starting place where order packed.
4	To	Textbox	M	1	Its display destination city of order.
5	Recipient	Textbox	M	1	Display the name of distributors

3.4 Screen-4: Change Password

Figure 3.4-1 screen-4: Delivery status screen

Purpose: This module will allow to user change password of user account.

Table 3.4-1 Screen element of change password

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Username	Textbox	M	1	Enter username .
2	Current password	Textbox	M	1	Enter current Password.
3	New Password	Textbox	M	1	Enter new Password.
4	Re-enter New password	Textbox	M	1	Re-enter new Password
5	clear	Button	--	--	Clear button use to in form clear all entered detail.
6	submit	Button	--	--	Submit button is work change passow and update database.

3.5 Screen-5: Add New Customer

Figure 3.5-1 Screen-5: Add New Customer Details

Purpose: This module will add new customer details in database.

Table 3.4-1 Screen element of Add new Customer screen

Sr.	Screen Element	Input Type	O/M	1/N	Description
1	Customer Id	int	M	1	Enter Customer ID in form field.
2	Customer Name	Textbox	M	1	Enter Customer name.
3	NIC	int	M	1	Enter new Password.
4	Date of Birth	Date	M	1	It should be editable and select date and add customer birth Date.
5	Address	TextBox	M	1	Customer address will add in this form field and customer change address.
6	Telephone Number	int	M	1	In this form field customer phone number add.
7	Email	TextBox	O	1	Enter Customer Email this form field is optional.
8	OnBack	Button	--	--	On Back button this button work is go back to redirect to previous screen.
9	Rest	Button	--	--	Reset button will reset a form field if customer fill all details add wrong then change reset this form.
10	Submit	Button	--	--	Submit button will add all details add in database and store data.

4 Database design

4.1 List of Tables

- Admin
- Distributors
- Product Types Table
- Product Colors Table
- Products Table
- Stock Table
- Transactions Table
- Orders Table
- OrderDetails Table
- OrderAmount Table

Table 4.1-1 Table: Admin

Field Name	Datatype	Null	Constraint	Description
AdminID	Int	Not Null	Primary Key	Auto Increment
Username	Varchar(50)	Not Null	-	-
Password	Int	Not Null	-	-
Name	Varchar(50)	Not Null	-	-
Email	Int	Not Null	-	-
PhoneNumber	Int	Not Null	-	-
Description	Varchar(100)	Allow Null	-	-

Table 4.1-2 Table: Distributer

Field Name	Datatype	Null	Constraint	Description
DistributorID	Int	Not Null	Primary Key	Auto Increment
CompanyName	Varchar(30)	Not Null	-	-
ContactPersonName	Varchar(25)	Allow Null	-	-
Address	Varchar(30)	Allow Null	-	-
Email	Varchar(30)	Allow Null		
PhoneNumber	Int	Not Null		
Description	Varchar(100)	Allow Null		

Table 4.1-3 Table: Product Type table

Field Name	Datatype	Null	Constraint	Description
TypeID	Int	Not Null	Primary Key	Auto Increment
TypeName	Int	Not Null	-	-
Description	Varchar(100)	Allow Null	-	-

SRS – Textile Business Management System

Table 4.1-4 Table: Product Color

Field Name	Datatype	Null	Constraint	Description
ColorID	Int	Not Null	Primary Key	Auto Increment
ColorName	Varchar(50)	Not Null	-	-
HexCode	Varchar(7)	Not Null	-	-
RGBValues	Varchar(15)	Not Null	-	-
Description	Varchar(100)	Allow Null		

Table 4.1-5 Table: Product

Field Name	Datatype	Null	Constraint	Description
ProductID	Int	Not Null	Primary Key	Auto Increment
ProductName	Varchar(20)	Not Null	-	-
TypeID	Int	Not Null	Foreign Key	Reference of Products Type table
ColorID	Int	Not Null	Foreign Key	Reference of Product Colors table
Price	Int	Not Null	-	-
Description	Varchar(100)	Allow Null	-	-

Table 4.1-5 Table: Stock

Field Name	Datatype	Null	Constraint	Description
StockID	Int	Not Null	Primary Key	Auto Increment
ProductID	Int	Not Null	Foreign Key	Reference of Products table
DistributorID	Int	Not Null	Foreign Key	Reference of Distributors table
Quantity	Int	Not Null	-	Quantity of the product in stock.
PurchaseDate	DateTime	Not Null	-	-
ExpiryDate	DateTime	Not Null	-	-
Description	Varchar(100)	Allow Null		

SRS – Textile Business Management System

Table 4.1-6 Table: Transaction

Field Name	Datatype	Null	Constraint	Description
TransactionID	Int	Not Null	Primary Key	Auto Increment
DistributorID	Int	Not Null	ForeignKey	Reference of Distributors table
AdminID	Int	Not Null	Foreign Key	Reference of Admin table
ProductID	Int	Not Null	Foreign Key	Reference of Products table
Quantity	Int	Not Null	-	Quantity of products involved in the transaction.
TransactionDate	DateTime	Not Null	-	-
Description	Varchar(100)	Allow Null	-	-

Table 4.1-7 Table: order

Field Name	Datatype	Null	Constraint	Description
OrderID	Int	Not Null	Primary Key	Auto Increment
DistributorID	Int	Not Null	Foreign Key	Reference of Distributors table
AdminID	Int	Not Null	Foreign Key	Reference of Admin table
OrderDate	Int	Not Null	-	-
Description	Varchar(100)	Allow Null	-	-

Table 4.1-8 Table: orderdetails

Field Name	Datatype	Null	Constraint	Description
OrderDetailID	Int	Not Null	Primary Key	Auto Increment
OrderID	Int	Not Null	Foreign Key	Reference of Orders table
ProductID	Int	Not Null	Foreign Key	Reference of Products table
Quantity	Int	Not Null	-	Quantity of the product in the order.
Description	Varchar(100)	Allow Null	-	-

SRS – Textile Business Management System

Table 4.1-9 Table: orderamount

Field Name	Datatype	Null	Constraint	Description
OrderAmountID	Int	Not Null	Primary Key	Auto Increment
OrderID	Int	Not Null	Foreign Key	Reference of Orders table
Amount	Int	Not Null	-	-
Description	Varchar(100)	Allow Null	-	-

5 Stories and Scenario

5.1 Story-1: Admin Product management

Story # S1	:	As an admin, I want to add new textile products to the system with details like name, description, price, and available quantity.
Priority	:	High
Estimate	:	XL
Reason	:	Admin needs to manage the product catalog, a core function of the system.

5.1.1 Scenario# S1.1

<u>Scenario# S1.1</u>	<u>Adding a New Product</u>
<u>Prerequisite</u>	: The admin logs into the system, navigates to the product management section, and selects the option to add a new product. They provide details such as the product name, description, price, and available quantity. Upon submission, the system stores the new product's information in the product
<u>Acceptance Criteria</u>	database, making it available for distributors to order.

5.1.2 Scenario# S1.2

<u>Scenario# S1.2</u>	:	<u>Updating Product Information</u>
Prerequisite	:	As an admin, I want to update the details of an existing textile product.
Acceptance Criteria	:	The admin logs into the system, accesses the product management section, and searches for the product whose information needs updating. The admin selects the product and edits the relevant details, such as the product's price, description, or available quantity. Upon saving the changes, the system updates the product information in the database, ensuring it's accurate for distributors.

5.1.3 Scenario# S1.3

<u>Scenario# S1.3</u>	:	<u>Deleting a Product</u>
Prerequisite	:	As an admin, I want to be able to remove a textile product from the system.
Acceptance Criteria	:	The admin logs into the system, goes to the product management section, and locates the product they wish to remove. The admin selects the product and chooses the option to delete it. The system removes the product's information from the database, effectively making it unavailable for future orders from distributors.

SRS – Textile Business Management System

5.1.4 Scenario# S1.4

Scenario# S1.4	:	Viewing Product Inventory
Prerequisite	:	As an admin, I want to view the current inventory status of all textile products.
Acceptance Criteria	:	The admin logs into the system, accesses the product management section, and selects the option to view the product inventory. The system displays a list of all textile products along with their current available quantities. This scenario helps the admin monitor product stock levels and make informed decisions regarding restocking or discontinuing products.

5.2 Story-2: Admin Distributor management

Story # S2	:	As an admin, I want to manage distributor information, including adding new distributors and updating their contact details.
Priority	:	High
Estimate	:	XI
Reason	:	Admin must manage distributor information, a critical aspect of the system's operation.

5.2.1 Scenario# S2.1

Scenario# S2.1	:	Adding a New Distributor
Prerequisite	:	As an admin, I want to be able to add a new distributor to the system.
Acceptance Criteria	:	The admin logs into the system, navigates to the distributor management section, and selects the option to add a new distributor. They fill in the required information for the new distributor, such as name, contact details, and territory. Upon submission, the system stores the new distributor's information in the database, making them an active user of the system.

5.2.2 Scenario# S2.2

Scenario# S2.2	:	Updating Distributor Contact Information.
Prerequisite	:	As an admin, I want to update the contact information of an existing distributor.
Acceptance Criteria	:	The admin logs into the system, accesses the distributor management section, and searches for the distributor whose contact information needs updating. The admin selects the distributor and edits the relevant contact details, such as phone number or address. Upon saving the changes, the system updates the distributor's contact information in the database.

SRS – Textile Business Management System

5.2.3 Scenario# S2.3

Scenario# S2.3	:	Deactivating a Distributor
Prerequisite	:	As an admin, I want to be able to deactivate or suspend a distributor's account.
Acceptance Criteria	:	The admin logs into the system, goes to the distributor management section, and locates the distributor they wish to deactivate. The admin selects the distributor and chooses the option to deactivate the account. The system updates the distributor's status to "deactivated" in the database, preventing them from placing new orders or making changes to their account. The distributor's order history and data remain accessible but are not modifiable while the account is deactivated.

6 Test cases

Project Name:	Textile Business Management System	Test Designed by:	Nirav Patel
Module Name:	Product Management	Test Designed date:	9-9-2024
Release Version:	1.0	Test Executed by:	Nirav Patel
		Test Execution date:	15-09-2024

Pre-condition: Web application should be accessible				
Test Case ID	Test Title	Test Type	Description	Test Case ID
TC_001	Product manage to web application with valid credential	Functional	Login to textile management system web application through valid credential	TC_001
TC_002	Order manage to web application with valid credential	Functional	Login to textile management system web application through valid credential	TC_002
TC_003	Verify the textile page element	GUI	varify that all elements are availabe on textile page	TC_003
TC_004	Product manage to web application with invalid credential	Functional	Login to textile management system web application through invalid credential	TC_004

SRS – Textile Business Management System

Test Case Title	Product manage to web application with valid credential
Test Type	Functional
Test Priority	High
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	BUG ID
1	Add a new item	Product added successfully	Display add product name	Pass		Product name:Lynn, Price:1000, size :1 meter	
2	Update Product Information	Product information (e.g., price) is updated	Product information updated successfully	Pass		Product Name: Lynn, New Price: 950	
3	View Product Details	Product details are displayed correctly	Product details displayed correctly	Pass		Product Name:lynn	
4	List All Products	All products in the inventory are listed	All products listed correctly	Pass	Display All Product List		
5	Delete a Product	Product is removed from the inventory	Product deleted successfully	Pass		Product Name: Cotton,	

SRS – Textile Business Management System

Test Case Title	Order manage to web application with valid credential
Test Type	Functional
Test Priority	High
Pre-condition	Web application should be accessible

Test Step	Test Description	Case	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Create a New Distributor Order		New order is created successfully	Order created successfully	Pass		Distributor: Vsk ,	
2	View Order Details		Clicking on an order displays its details	Order details displayed correctly	Pass		Order ID: 123	
3	Edit Order Details		Order details (e.g., quantity) are updated	Order details updated successfully	Pass		Order ID: 123, New Quantity: 10	
4	Cancel an Order		Order is canceled successfully	Order canceled successfully	Pass		Order ID: 124	
5	Process Payment		Payment for an order is recorded successfully	Payment recorded successfully	Pass		Order ID: 125, Payment Amount: 20020.00	
6	Generate Invoice		An invoice for an order is generated	Invoice generated successfully	Pass		Order ID: 126	
7	View Order History		List of orders is displayed correctly	Order history displayed correctly	Pass			

SRS – Textile Business Management System

Test Case Title	Order manage to web application with valid credential
Test Type	Functional
Test Priority	High
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Create a New Distributor Order	New order is created successfully	Order created successfully	Pass		Distributor: Vsk ,	
2	View Order Details	Clicking on an order displays its details	Order details displayed correctly	Pass		Order ID: 123	
3	Edit Order Details	Order details (e.g., quantity) are updated	Order details updated successfully	Pass		Order ID: 123, New Quantity: 10	
4	Cancel an Order	Order is canceled successfully	Order canceled successfully	Pass		Order ID: 124	
5	Process Payment	Payment for an order is recorded successfully	Payment recorded successfully	Pass		Order ID: 125, Payment Amount: 20020.00	
6	Generate Invoice	An invoice for an order is generated	Invoice generated successfully	Pass		Order ID: 126	
7	View Order History	List of orders is displayed correctly	Order history displayed correctly	Pass			

SRS – Textile Business Management System

Test Case Title	Verify textile page management
Test Type	GUI
Test Priority	Medium
Pre-condition	Web application should be accessible

Test Step	Test Case Description	Expected Result	Actual Result	Status	Comment	Data	Bug ID
1	Access Product Management Page	Clicking the "Product Management" link navigates to the product management page	Page navigated successfully	Pass			
2	View Product List	The product list is displayed with relevant details	Product list displayed correctly	Pass			
3	Verify Product Table Columns	All necessary columns (e.g., Name, Price, Quantity) are visible	Columns displayed correctly	Pass			
4	View Product Details	Clicking on a product displays its details	Product details displayed correctly	Pass		Product Name: Aspirin	
5	Add New Product Button	The "Add New Product" button is present and clickable	Button present and clickable	Pass			
6	Edit Product Button	The "Edit" button for each product is present and clickable	Button present and clickable	Pass			
7	Delete Product Button	The "Delete" button for each product is present and clickable	Button present and clickable	Pass			

7 References

- <https://www.geeksforgeeks.org>
- <https://textilelearner.net>
- https://en.wikipedia.org/wiki/Textile_industry
- <https://chat.openai.com/>