SRS for Trend Tailor – E-Commerce Clothing Platform

System Users

1. System
2. Administrator
3. Seller / Store Manager
4. Customer / Buyer

Operations

1. **System**
   - Login Page
   - Automatic Notifications
   - i.   Order confirmation (Immediate)
   - ii. Order dispatch & delivery updates (Real-time)
   - iii. Wishlist item back-in-stock alerts (Daily)
   - iv. Sale or discount alert (Weekly)

2. **Administrator**
   - Manage all users (create/update/delete accounts for sellers/customers)
   - View reports (sales, revenue, inventory)
   - Moderate user reviews and product listings
   - Add/Remove product categories
   - Access dashboard analytics (traffic, top sellers, etc.)

3. **Seller / Store Manager**
   - Add new product (form-based)
   - Update product details (title, description, price, stock)
   - Delete product
   - Manage orders (approve, dispatch, mark as delivered)
   - Handle return/refund requests
   - View inventory reports:
     - Low stock alerts
     - Total stock value
     - Most/Least sold items
   - Profile settings (with permissible edit)

4. **Customer / Buyer**
   - Browse clothing by category/occasion

- Add items to cart/wishlist
- Purchase items (via payment gateway)
- Request for return/exchange
- Track orders
- Notifications:
  - Order status (placed/dispatched/delivered)
  - Wishlist items sale or restock
  - Personalized offers
- Profile settings
- View reports:
  - Order history
  - Return history
  - Wishlist items

GUI and Functions

A. Seller Module

Seller Module View Specification

The Seller Module allows the seller to manage their store inventory and handle customer orders.

Operation Specifications:

1. Add New Product
   - Title
   - Description
   - Price
   - Discount (optional)
   - Quantity
   - Images (upload)
   - Size/Color Variants
   - Tags (category, gender, style)
2. Update Product
   - Fetch product by title/ID
   - Edit fields as required
   - Save and update
3. Delete Product

- Show list of products with delete/undo option

4. Manage Orders
   - Show all pending/new/return orders
   - Accept, dispatch, complete
   - Initiate return/refund

5. View Reports
   - Sales Report (daily, weekly, monthly)
   - Inventory Status
   - Low Stock Items

B. Customer Module

Customer Module View Specification

The Customer Module lets the user browse, purchase, track, and manage their clothing orders.

Operation Specifications:

1. Place Orders
   - Search or filter clothes
   - Add to cart
   - Choose size, quantity
   - Checkout & payment
   - Get invoice + order summary

2. Return/Exchange Request
   - Select from order history
   - Mention reason
   - Send request (return window applicable)

3. Track Orders
   - View delivery timeline: Order Placed → Dispatched → Out for Delivery → Delivered

4. Notifications Dashboard
   - Track order status
   - Wishlist restock or sale alerts
   - Offers & promos

5. Profile Settings
   - Name, mobile, address, preferences
   - Update password

6. Reports
   - Purchase history

- Return history
- Wishlist

C. System Operations

1. Login Page
   - Email & password
   - Role-based login (admin/seller/customer)
   - Max 5 login attempts, then lock for 24 hrs
   - "Forgot Password" feature with reset link
   - Password reset page
2. Automatic Notifications
   - Order confirmation (instant)
   - Wishlist alert (daily 10 AM)
   - Sale notifications (Monday 12 PM)
   - Dispatch/Delivery SMS & Email

D. Admin Module

1. Create User Account
   - Via Excel Import (fields: Name, Role, Email, Mobile, DOB, Gender, Address)
   - Or via Form entry
   - Send password setup link on email
2. Manage User Accounts
   - Search/filter by name or ID
   - Edit/delete users
   - Reset password for any user
3. Analytics Dashboard
   - Sales stats
   - Traffic data
   - Active sellers
   - Top-selling items

Sample Database Table Structure for Trend Tailor

1. Users

Column Name	Data Type	Description
user_id	ObjectId	Primary Key
name	String	User's full name
email	String	Unique email ID
password	String	Hashed password
role	String	'customer' / 'admin'
created_at	Date	Account creation date

2. Products

Column Name	Data Type	Description
product_id	ObjectId	Primary Key
name	String	Name of clothing item
description	String	Detailed description
category	String	e.g., Ethnic, Casual, Formal, etc.
size_options	Array	[S, M, L, XL, XXL] etc.
price	Decimal	Price of the product
stock_quantity	Number	Available stock
image_urls	Array	URLs of product images
created_at	Date	Product added date

3. Orders

Column Name	Data Type	Description
order_id	ObjectId	Primary Key
user_id	ObjectId	Reference to `Users`
order_items	Array	[{ product_id, size, quantity, price }]
total_amount	Decimal	Final payable amount
status	String	pending/confirmed/shipped/delivered
payment_status	String	pending/paid/failed
created_at	Date	Order date

4. Cart

Column Name	Data Type	Description
cart_id	ObjectId	Primary Key
user_id	ObjectId	Reference to `Users`
items	Array	[{ product_id, size, quantity }]
updated_at	Date	Last updated

5. Wishlist (Optional)

Column Name	Data Type	Description
wishlist_id	ObjectId	Primary Key
user_id	ObjectId	Reference to `Users`
product_ids	Array	List of product ObjectIds

6. Payments

Column Name	Data Type	Description
payment_id	ObjectId	Primary Key
order_id	ObjectId	Reference to `Orders`
payment_method	String	Card/UPI/Wallet
amount_paid	Decimal	Amount paid
status	String	paid/failed
paid_at	Date	Timestamp

7. Reviews (Optional)

Column Name	Data Type	Description
review_id	ObjectId	Primary Key
product_id	ObjectId	Reference to `Products`
user_id	ObjectId	Reference to `Users`
rating	Number	1–5 stars
comment	String	Review text
created_at	Date	Review date