**Functional Requirement**

**1. User Profile Management**

User Registration:

The app shall allow users to create an account using email, social media, or phone number.

Profile Creation:

Users shall input personal details, including weight, height, body shape, and preferred styles.

Profile Editing:

Users shall be able to update their profile information at any time.

Profile Deletion:

Users shall have the option to delete their account and all associated data.

**2. Data Input and Analysis**

Measurement Input:

The app shall provide input fields for users to enter their weight, height, and body shape.

Style Preferences:

Users shall select their preferred clothing styles, colors, and patterns from predefined options or custom inputs.

Photo Upload (Optional):

Users shall have the option to upload photos for better analysis and recommendations.

**3. AI Recommendation Engine**

Personalized Suggestions:

The app shall analyze user data and generate personalized clothing recommendations based on measurements and style preferences.

Continuous Learning:

The AI algorithm shall learn from user feedback and improve recommendations over time.

Recommendation Filters:

Users shall be able to filter recommendations by size, color, pattern, and style.

**4. Clothing Database**

Item Catalog:

The app shall maintain a comprehensive database of clothing items from various brands and stores.

Real-Time Inventory Updates:

The app shall integrate with partner retailers to provide real-time inventory status for recommended items.

**5. Shopping Experience**

Browse Options:

Users shall be able to browse a range of clothing options based on AI recommendations.

Detailed Item View:

Users shall be able to view detailed information about each clothing item, including images, descriptions, prices, and available sizes.

Add to Favorites:

Users shall have the option to save items to a favorites list for later viewing or purchase.

Direct Purchase Links:

The app shall provide direct links to purchase recommended items from partner stores.

**6. User Feedback Mechanism**

Rating System:

Users shall be able to rate clothing items based on fit, style, and overall satisfaction.

Review Submission:

Users shall have the option to leave written reviews for items they have purchased.

Feedback Collection:

The app shall collect user feedback to improve future recommendations.

**7. Social Sharing**

Share Options:

Users shall be able to share their favorite outfits or recommendations on social media platforms (e.g., Facebook, Instagram, Twitter).

Invite Friends:

Users shall have the option to invite friends to join the app via social media or email.

8. Security and Privacy

Data Encryption:

The app shall ensure that all user data is encrypted and securely stored.

Privacy Policy:

The app shall provide a clear privacy policy outlining how user data is collected, used, and protected.

User Consent:

The app shall obtain user consent for data collection and processing during registration.

**9. Notifications**

Push Notifications:

The app shall send push notifications to users for new recommendations, sales, and updates from favorite stores.

Email Notifications:

Users shall have the option to receive email notifications for important updates and promotions.