<Fit Me>

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Software Requirements Specifications

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1. Introduction

1.1 Purpose:

The Purpose of this document is to identify the Software Requirements Specification (SRS), The project scope, characteristics and Features of <Fit Me> Software.

1.2 Intended Audience:

Developers / Testers / Sponsors

1.3 Scope:

- **Customers** people interested in clothing and fashion. This software aims to suggest clothes from different Brands to users based on their preferences and interests. Users also can search and filter the products.
- **Vendors** clothing shops. Benefits comes from showcasing their collections and products, where <Fit Me> is considered a marketing platform for their products.
- **Admins** will have the overall control on the platform.

1.4 Document Conventions

Any word that is written between these brackets "<>" is a place holder and expected to be changed in newer versions.

2. Overall Description

2.1 Product Perspective:

<Fit Me> is a new platform that contain different features to serve a wide variety of users to increase profits for business and decrease costs for Customer.

2.2 User Needs:

2.2.1 Cheap Subscription:

- Customers will only be charged for <20 L.E> monthly after enjoying a free trail.
- Customers gain offers when someone subscribe on the app through their link.
- Vendor will only be charged for <200 L.E> monthly.

2.2.2 Marketing:

- The platform provides an inexpensive marketing opportunity for stores and a satisfactory result.

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- Due to competitiveness in the market encourages the vendors to utilizes this marketing platform.

2.2.3 Customers Satisfaction:

- Customers will be able to browse products from all vendors and see all the available discounts in one app.
- recommendation of suitable products for the customer's taste from various stores.
- Announce him with the latest offers, hot deals, and collections.
- Fitting room that allows user to try on the outfit on 3D model.

2.3 User Classes and Characteristics:

2.3.1 Customers:

- **Characteristics**
  - Name
  - Date of birth
  - Phone Number
  - Email
  - Password
  - Location
  - Gender
  - Image
  - referral Link
  - Account type (Standard, Premium)
  - Payment Method Data
    - Card number
    - CCV
    - Expire Date
    - Card holder name
- **Privileges**
  - Have one free trail
  - Send referral link to other users to get offers
  - View all stores and view their products and categories
  - Add items to Wishlist
  - Rate vendors, stores, and products
  - Like vendors, stores, and products
  - Upgrade to a higher plan
  - Edit his interests
  - Edit his profile data

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2.3.1.1 Standard Customer:
- **Privileges**
  - Subscribe for premium

2.3.1.2 Premium Customer:
- **Privileges**
  - Try on the clothes in the fitting room on 3D model
  - Renew subscription

2.3.2 Vendors:
- **Characteristics**
  - Name
  - Category
  - Phone Numbers
  - Email
  - Password
  - Image
  - Products
  - Stores
    - Locations
    - Category
- **Privileges**
  - Send new collections
  - Add, Edit, Delete, and View offers
  - Add, Edit, Delete, and View products
  - Add, Edit, Delete, and View stores
  - view statistics and analysis

2.3.3 Super Admin:
- **Characteristics**
  - Email
  - Password
  - Name
- **Privileges**
  - Full access on all users including vendors and Customers
  - View statistics and analysis
  - Delete any user (Customer, vendor)
  - Delete product and offers

2.4 Design and Implementation Constrains:
2.4.1 Tools and Technologies:
- Mobile App => Flutter
- Web Front-End => React.js
- Back-End => Node.js with express

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- Machine Learning => Python, TensorFlow, Apache Pyspark
- Database => My SQL
- 3D Model => Blender, Marvelous designer, substance painter, substance designer

2.4.2 Policies:
- Developers must write Documentations
- The source code is the business owners' property

2.4.3 Languages of the platform:
- Arabic
- English

2.5 Assumptions and Dependencies:

2.5.1 Commercial Third Parties and External Systems:
- Payment Gateway
- Developer Accounts on Google play and Apple store
- Firebase for notification
- Servers and domain name for deploying the front-end, back-end, database, and machine learning System
- Unity
- Apache Pyspark
- Google Maps

3. System Features and Screens

3.1 Customer (Mobile and Web Apps):
- **Register:**
  - Name
  - Email
  - Password
  - Confirm Password
  - Gender
  - Date of birth
  - Interests
  - By Facebook or Google
- **Login:**
  - Email
  - Password
  - By Facebook or Google

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- **Forget Password**
  - Email
- **Home:**
  - Notifications
  - Search Bar
  - Your favorite brands
  - Your favorite style
  - New Collection
  - Offers and ads
  - Hot deals and Trendy
  - Navigation Bar
- **Navigation Bar:**
  - Home
  - Library
  - Fitting Room
  - Profile
- **Library:**
  - Wishlist
  - Likes (collections, products, brands)
  - For you (collections, products, brands, ...)
- **Profile:**
  - Setting (Language, Theme)
  - Account type
  - Referral link
  - View and Edit Profile data
  - View and Edit interests
  - Log Out
  - Help, Contact us, About us, FAQs
- **Fitting Room:**
  - 3D Model
- **Product details:**
  - Image
  - Name
  - Rating
  - Reviews
  - Price
  - Description
  - Colors
  - Sizes
  - Categories
  - Vendor name
  - Section for similar products
  - Add to Wishlist button

- o Add to Fitting Room button
- **Search Bar:**
    - o Search by category
    - o Search by Brand
    - o Search by trendy
    - o Search by product

3.2   Super Admin Dashboard (Web App):

- **Login:**
    - o Email
    - o Password
- **Navigation Bar:**
    - o Customers
    - o Vendors
    - o Notifications
    - o Analysis
- **Customers:**
    - o Display all Customers
    - o Add, Edit and Delete Customers
    - o Trace their activities
- **Vendors:**
    - o Display all Vendors
    - o Add, Edit and Delete Vendors, collections and products
    - o View all products
- **Notifications:**
    - o Send notifications to all users
- **Analysis:**
    - o View analysis for each vendor
    - o Print analysis sheet

3.3   Vendor Dashboard (Web App):

- **Login:**
    - o Email
    - o Password
- **Navigation Bar:**
    - o Products
    - o Stores
    - o Offers
    - o Collections
- **Products:**
    - o View all products
    - o Add new product

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- o Delete product
- o Edit product
- **Stores:**
  - o View all Stores
  - o Add new Stores
  - o Delete Stores
  - o Edit Stores
- **Offers**
  - o View all Offers
  - o Add new Offers
  - o Delete Offers
  - o Edit Offers
- **Collections**
  - o View all Collections
  - o Add new Collections
  - o Delete Collections
  - o Edit Collections