**Minimum Viable Product (MVP) Feature List for the Virtual Wardrobe App 🚀**

To build a functional and engaging MVP, the following features are **essential** for user adoption and testing:

**1️⃣ User Authentication & Profile Management**

* **Sign Up / Login** (Google, Apple, Facebook, Email)
* **Profile Setup** (Gender, Size Preferences, Favorite Colors, Style Preferences)
* **Onboarding Tutorial** (How to use the app)

**2️⃣ Wardrobe Management**

* **Upload Clothing Items:**
  + Capture photos using the camera
  + Select photos from the gallery
* **Automatic Clothing Recognition:**
  + AI-powered image processing (detect shirts, pants, shoes, accessories)
  + Background removal for clean wardrobe display
* **Manual Categorization & Tagging:**
  + Users can categorize clothes (tops, bottoms, shoes, accessories)
  + Add labels (casual, formal, winter, summer)

**3️⃣ Smart Outfit Recommendations**

* **Basic Outfit Suggestions:**
  + AI-based mix & match outfits from the uploaded wardrobe
  + Users can manually save outfit combinations
* **Occasion-Based Styling:**
  + Choose an event (Casual, Work, Party, Date, Gym)
  + Get recommended outfits based on user preferences
* **Weather-Based Suggestions (Phase 2)**
  + Integrate real-time weather API for appropriate clothing suggestions

**4️⃣ User Customization & Preferences**

* **Favorite Outfits:** Users can mark favorite outfit combinations
* **Style Preferences:** Select preferred fashion styles (Casual, Business, Streetwear)
* **Color Matching Guide:** Simple UI to suggest matching colors for outfits

**5️⃣ Closet Organization & Filters**

* **Search & Filter Wardrobe:**
  + Sort by clothing type (Shirts, Pants, Shoes)
  + Filter by color, season, occasion
* **Calendar Feature (Phase 2):**
  + Plan outfits for upcoming days

**6️⃣ Social Sharing (Basic Version)**

* **Save & Share Outfit Ideas:**
  + Users can share outfit ideas with friends via social media

**7️⃣ Tech Stack Summary for MVP**

* **Frontend:** Flutter (Dart) / React Native (JavaScript)
* **Backend:** FastAPI (Python) / Node.js (Express)
* **Database:** Firebase Firestore / AWS DynamoDB
* **Image Processing:** OpenCV, TensorFlow Lite (for clothing detection)
* **Authentication:** Firebase Auth (Google, Apple, Email)
* **Storage:** Firebase Storage / AWS S3

**Future Enhancements (Post-MVP)**

* **Augmented Reality (AR Try-On)**
* **Integration with Online Shopping (Buy matching items)**
* **AI-driven Fashion Trend Analysis**
* **Voice Assistant for Wardrobe Suggestions**
* **Subscription Model for Personalized Styling Services**

This MVP allows users to **digitize their wardrobe, get AI-driven outfit suggestions, and organize their closet efficiently**. Would you like a feature prioritization list or wireframes for the MVP?