**Planning & Requirements Gathering for AI Stylist App**

**Planning Phase:**

**1.Purpose of the App:**

**.Help users choose suitable clothing based on personal preferences and physical measurements.**

**.Enhance confidence by providing personalized fashion suggestions.**

**2.Target Audience:**

**.Individuals looking for tailored clothing recommendations based on body metrics and style preferences.**

**.Fashion-conscious users who value convenience in online shopping.**

**3.Scope and Features:**

**.Input collection: Users provide data like weight, body shape, height, and preferred styles.**

**.AI analysis: Use algorithms to suggest suitable clothing options based on input.**

**.Browse feature: Allow users to explore options, including colors, patterns, and sizes.**

**.Integration with e-commerce: Enable direct ordering from partnered stores and brands.**

**4.Technology Stack:**

**.Web API for communication between front-end and back-end.**

**.AI libraries (e.g., TensorFlow.js) for data analysis, prediction, and recommendation.**

**.Authentication (e.g., JWT) for user login and profile management.**

**.DevOps tools (e.g., GitHub Actions, Docker) for CI/CD and deployment.**

**.Database (e.g., MySQL, MongoDB) for storing user details and clothing options.**

**Requirements Gathering Phase:**

1.Functional Requirements:

**.**Ability to collect and store user data securely.

**.**Implement an AI-powered recommendation engine for personalized clothing suggestions.

**.**Provide browsing options with filtering by colors, patterns, sizes, etc.

**.**Enable integration with e-commerce platforms for ordering.

2.Non-Functional Requirements:

**.**Ensure scalability to accommodate increasing users and product data.

**.**Prioritize data security and user privacy in compliance with regulations.

**.**Maintain high system performance for seamless user experience.

**.**Achieve compatibility across devices (mobile and desktop).

3.User Requirements:

**.**Simple and intuitive user interface.

**.**Accurate clothing suggestions matching measurements and tastes.

**.**Quick and reliable ordering process.

4.AI Requirements:

**.**Develop machine learning models for prediction and clustering tasks.

**.**Implement feedback loops to improve suggestions based on user reviews.

5.Integration Requirements:

**.**Partner with popular brands and stores for clothing options.

**.**Integrate payment gateways for secure transactions.