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SYNOPSIS

Title: AI-Powered Outfit Recommendation System

1. Introduction

The **AI-powered Outfit Recommendation System** is designed to help users select outfits based on their **height, weight, body shape, and preferred themes** and also give description as per there recommendation. The system leverages **Python, and Flask** providing personalized outfit recommendations.

2. Objectives

- To develop a smart recommendation system for outfit selection.
- To suggest outfits based on user **body shape, height, weight, and themes**.
- To store and retrieve user preferences using **CSV file**
- To implement an easy-to-use **frontend interface**.

3. Scope

- Users input their **height, weight, body shape, and style preferences**.
- The system matches users with suitable outfits from a **predefined dataset**.
- It suggests outfits for different themes like **casual, formal, party, and sportswear**.
- Backend logic using **Flask (Python)** for data processing.

4. Technologies Used

- **Frontend:** Basic HTML, CSS, JavaScript (optional)
- **Backend:** Python (Flask)
- **Dataset Format:** CSV

5. Methodology

1. **User Input:** Users enter height, weight, body shape, and style preference.
2. **Database Matching:** The system checks the database for matching outfit criteria.
3. **Recommendation Logic:** Based on **height, weight, body type**, and **themes**, the system filters and suggests appropriate outfits.
4. **Output:** Displays outfit recommendations.

6. Expected Outcome

- A simple, functional **AI-based outfit recommendation system**.
- Users receive **personalized outfit suggestions**.
- Easy **database management** with CSV files
- A **scalable system** that can be improved with **machine learning** in the future.

7. Conclusion

This project aims to provide a **basic yet effective outfit recommendation system**. It serves as an initial step toward integrating AI-based suggestions in fashion, and future enhancements may include **advanced ML algorithms** for better accuracy.