22AIE457 - FULL STACK
TERM PROJECT - PHASE 1 ABSTRACT

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MoooD: An Intelligent Food Recommendation System

MoooD is an intelligent web-based food recommendation system that suggests personalized food choices based on the user's emotional state, location, and order history. The core objective of MoooD is to enhance user satisfaction and emotional well-being by aligning food suggestions with their current mood, contextual preferences, and past behaviors. The application prompts the user to input their present mood from a predefined set or via text, and it intelligently analyzes this input in conjunction with the user's geographical location and previous orders stored in a backend database. By leveraging an LLM agent, MoooD generates dynamic and emotionally relevant food suggestions, moving beyond static mood-to-food mappings to a more contextual and human-like recommendation system.

Key features of MoooD include a secure user authentication system, persistent storage of login credentials and food order history using a structured database, and adaptive recommendations that evolve with user behavior over time. The location input allows the system to ensure food suggestions are locally available or culturally relevant. The LLM enhances the intelligence of the system by interpreting nuanced mood expressions and producing creative food ideas accordingly. MoooD thus blends emotional intelligence with modern AI tools to create a unique, user-centric food recommendation experience. This project showcases the potential of AI in personal lifestyle applications by fusing emotional

computing, natural language understanding, and contextual personalization in a lightweight, user-friendly platform.

Roles Dashboard

- **Admin**
    1. Manage user accounts and permissions
    2. Add, edit, or remove food items from the database
    3. Review and approve mood-based food suggestions
    4. Monitor app usage and analytics
    5. Configure system settings (e.g., mood detection thresholds, API keys)
- **User**
    1. Input current mood and food cravings
    2. Receive personalized food recommendations
    3. Save favorite dishes for quick access
    4. View and manage food history
    5. Discover and find recipes of new meals

Contribution

Name	Roll number	Contribution
Anuvind M P	AM.EN.U4AIE22010	Main page, Recipe Page, Form validation, UI designing
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