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***Sec: A5 Group 6 - Project Pitches***

Meal Planner

Keeping track of meals and health can demand effort and time that people cannot always afford to set aside. Planning your day around meals can become more of an inconvenience than a basic human need, so instead of having our wellness become a burden, we want to help people incorporate it more effortlessly into their lives.

With this proposed project, Group 6 is aiming to create a platform that allows users to create a custom made meal plan to suit an individual’s dietary needs and the level of activity in their lifestyle. We will use the FitBit API to create a database storing an average calorie use over the course of a day, height, weight, age, gender, etc. Using a Food/Dietary API, we then suggest a list corresponding meals that fit the person’s calculated required calorie intake, thus ensuring we remain well fed while preventing overeating.

Mood Tracker

Music is a part of everyone’s life, and affects out mental state very significantly. Our thoughts are easily affected and reflected in our choice of music, and knowing the appropriate song choices to help make or break your mood is a powerful and underrated tool for self-care.

For our second project proposal, we suggested using data pulled from a music streaming API (Spotify, Beats Music, The Playlist Miner, etc.) to analyze a user’s choice of music over the course of a month. Using information about the tempo and genre, we will do a sentiment analysis (using a sentiment analysis API) to determine what mood the song would be associated with. Criteria for specific moods will be stored in databases for quick access and comparison. We can then estimate how the users’ mood changes over the course of time by linking it to the mood of their music choices. Users will be able to track how they were feeling over the course of a month, and what songs they chose to listen to during specific periods of time.