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Project proposal

Team Number:1

UMKC School of Computing and Engineering

Project title: **Fitness Chef**

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Project Goals and Objectives

Motivation: In today's busy-busy world, it's hard to stay fit and keep track of what we should eat and what we shouldn't. With this underlying motivation, we came up with an idea to create an application which helps you do just that. Stay fit by keeping track of your eating habits and exercise routines.

Significance: Though we have multiple applications on fitness and nutrition in the market place, this application stands out as it combines both the dietary plan and exercise routine which a user can follow to make a healthy living and also we have put image recognition functionality which is not available in many of the applications today.

The Objective: The objective of this application is to make people fit and make them follow a diet for a healthy lifestyle.

System Features:

1. Register & Sign Up Option.
2. Create a plan for individual user.
 - a. We will take weight and height of the user while doing registration and set target for day, week and month.
3. Track user calories based on Food + Exercise = Total Calories.
4. Display user progress with intuitive graphs and charts.
5. Image Recognition: User can upload images of food item's he/she consumes, and our application calculates the approximate calories based on the image and food.
6. Exercise
 - a. User has an option to select different exercises and enter inputs to track calories burned.
7. Pie chart
 - a. You will have pie chart that for calories from meals. i.e. Breakfast, lunch and dinner.

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Backup Project: UMKC Examination Portal – It helps professors of UMKC to set up exams by adding questions on related subjects and scheduling the dates. Students can login at the scheduled time to take the exam and see the grades. Professor can view the class performance with the help of intuitive graphs and charts. Professor can download individual student reports.

Bibliography:

<https://developer.edamam.com/edamam-nutrition-api>

<https://www.nutritionix.com/>