

Android AI Diet consultant

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Abstract- The Fake Dietician project is a PC program that investigations human eating regimens utilizing man-made brainpower. It capacities as an eating regimen counsel similarly that an authentic dietician would. This framework works similarly as a dietician's framework. An individual should give specific data to the dietician to find out about their eating regimen plan, for example, body type, weight, stature, and working hours. Along these lines, this framework produces an eating regimen plan in view of the data given by the client. The framework gets the entirety of the client's data and cycles it to give the eating routine arrangement to the client. This disposes of the requirement so that the client might be able to see a dietician, saving time and guaranteeing that the client gets the legitimate eating routine

Keywords- Diet Consultant ,BMI , BMR, Health instructor , Dietitian , Android Dietitian, Android Development,

I. INTRODUCTION

The on the web " man-made reasoning " dietitian is a PC program that examinations human suppers. It capacities as an eating routine counsel similarly that a veritable dietician would. By using "Artificial Knowledge" innovation, the "Android computer based intelligence Diet Advisor" permits people to monitor and follow the specific eating regimen graph anticipates a savvy gadget.

It capacities as an eating regimen counselor similarly that an authentic dietician would. This framework capacities comparably to a dietician's. An individual should give specific data to the dietician to find out about their eating regimen plan, for example, body type, weight, tallness, and working hours. Everybody ought to follow an eating regimen to safeguard their wellbeing and keep it in brilliant shape. This is basic for long haul success.

EASE OF Utilization

Android computer based intelligence Diet is an application that you can use to actually take a look at your weight at home. You don't need to go out or go to the specialist .. In this application you can simply look at your weight .. In this application you can really look at your eating

routine. Furthermore really take a look at your calories and blood

II. METHODOLOGY

1. First you introduce apk record in your portable
2. After you open record
3. are you enrolled client while possibly not then register yourself .Assuming you are another client, you can enlist.

Steps to follow work man-made intelligence Diet Application

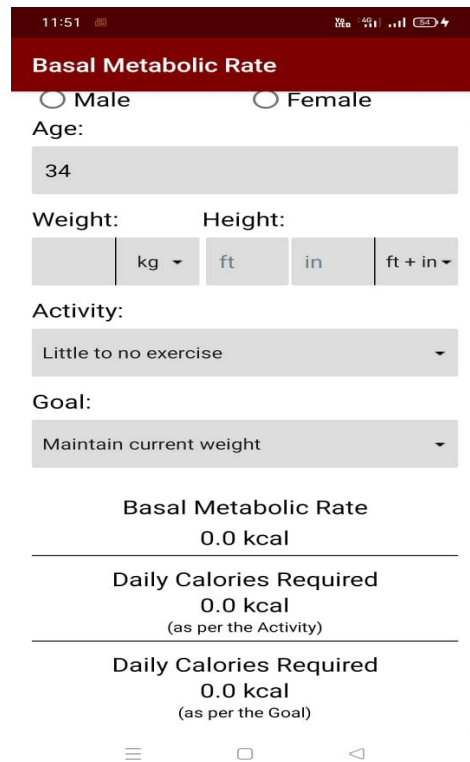
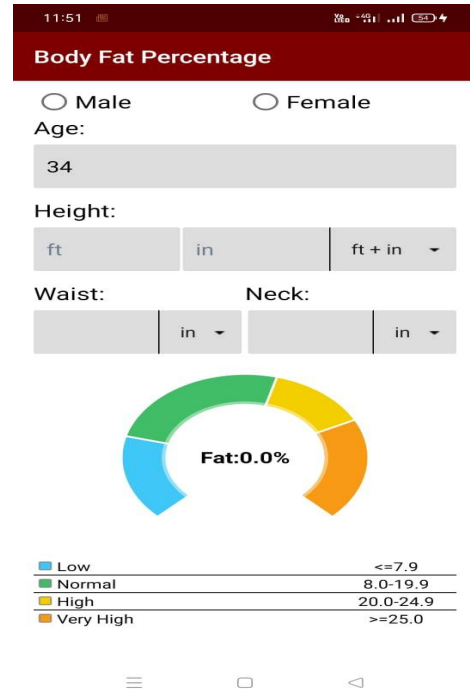
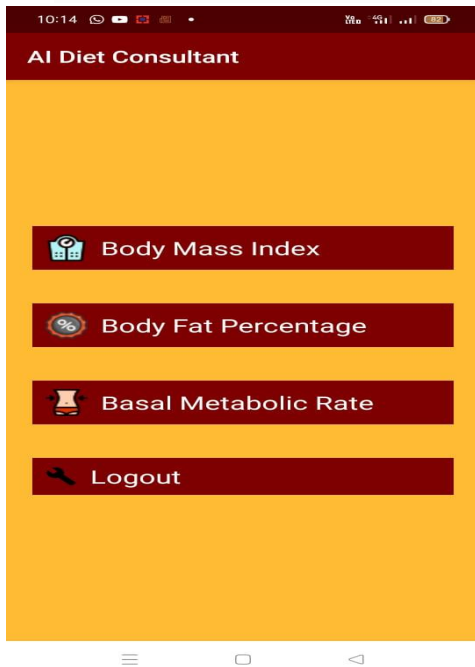
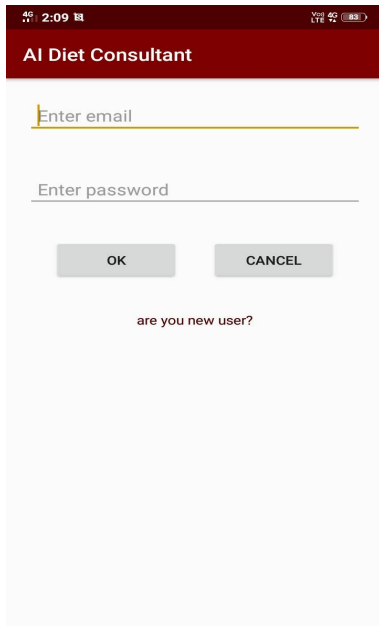
1. First Screen Stacking called Sprinkle Screen
2. For login you really want to make account
3. After Make account login to application involving sign in screen
4. Simulated intelligence Diet Menu will be shown
5. Click First Menu Weight List
furthermore select orientation, enter age, tallness and weight then it will naturally work out BMI for entered subtleties and furthermore when client will taps on "View Diet" Button it will show precise eating routine for you.
6. Click Muscle versus fat ratio to work out it
7. Snap to Work out Basal Metabolic Rate.

III. WATERFALL

Waterfall places a premium on meticulous preparation. It is a sequential and linear app development process in which each project job is accomplished after the previous one.

Projects in the waterfall style are completed in a single, very long cycle. Project managers are in charge of meticulously planning project execution and executing it in accordance with the requirements specifications. In the event that a scenario fails, the development team must go through the entire process again, from design to execution.

At the start of the project, all needs are determined, and each phase is fulfilled before moving on to the next. Project managers keep track of the progress and ensure that the stages do not overlap.



IV. LITERATURE SURVEY

1) Android-based Artificial Intelligence Dietitian Based on the user's demands and specifications, this task delivers an intelligent agent called Personal Dietitian Agent. The agent can tailor the meal to the individual's lifestyle and health requirements. Vegetables, whole grains, fruits, low-fat or low-

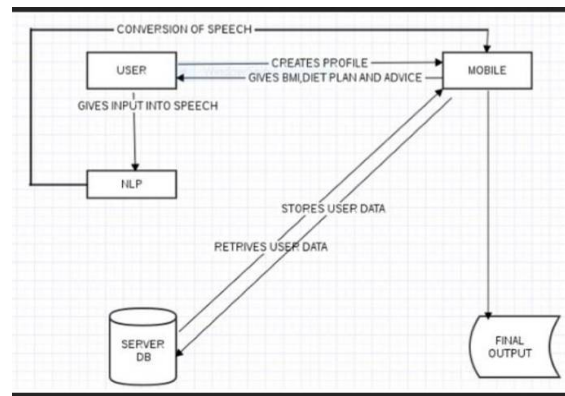
fat dairy products, legumes, lean meats, poultry, and fish are all recommended by experts. 2) Dietary Recommendations Based on Semantic Modeling This document is a first draught of a larger project. related to a holistic semantic modeling a method for providing individualised nutritional advice The emphasis of this paper is on a survey of available semantic and food information resources that cover various elements of the domain. In connection to the holistic conceptual model, a gap analysis is provided. This effort is part of the LiFANA-Lifelong Food and Nutrition Assistance initiative, which was just established. 3) Malaysian food composition ontology modelling Every new design solution necessitates the addition of additional components. As a result, hair adaptability plays a crucial role in case-based design. This subtask is responsible for enhancing the best recovered case's prior solution. Optimization, in general, necessitates domain knowledge as well as domain and task heuristics. This article explains how to use ontology to model domain knowledge. Dietitians' knowledge is built on domain ontology, which is used to produce nutritional menus.

V. MODULES

The Android Man-made reasoning Eating regimen Specialist Framework has the accompanying modules:

- 1.) Client Module: To acquire prompt from the Android dietician, the client should first login and lay out a record, then, at that point, input his own data. The client can likewise enter specific wellbeing related indications to track down the best cure, in the event that one exists.
- 2.) Administrator Module: Here, the administrator will work, guaranteeing that all diet-related data is displayed to the clients.
- 3.) Specialist Module: Specialists can independently encourage buyers to avoid potential risk in this module. This data will show up in the application's substance segment, either in the's client account or in the open area.4.) Data set Module: In this module, every one of the subtleties and data will be saved and a record has arrived.

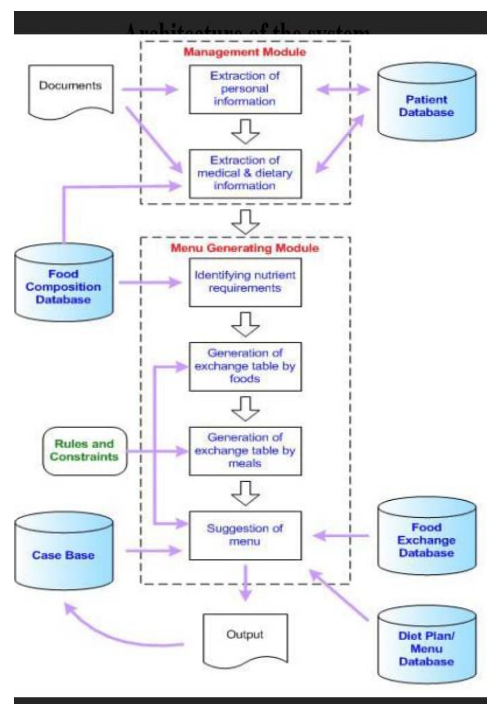
Circuit



VI. PROPOSED WORK

Height, weight, age, gender, and exercise are all factors in the suggested project. The system then determines their BMI and BMR depending on the information supplied, and then calculates the calories a person requires based on their BMR and activity. Using the RETE algorithm, the system will estimate the diet based on the information given by the user. This method uses user feedback on how fast their bodies should be fit to assist you enhance your physical fitness. The user may then keep track of how many calories he need and make dietary choices appropriately. Diet regimens that have been adapted for fitness will operate as follows. If the user is of regular weight, he can acquire a diet plan to lose or gain 1 pound each week.

Architecture of the system

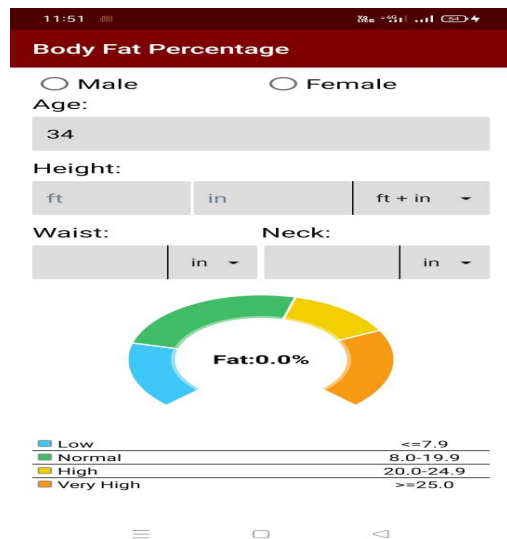
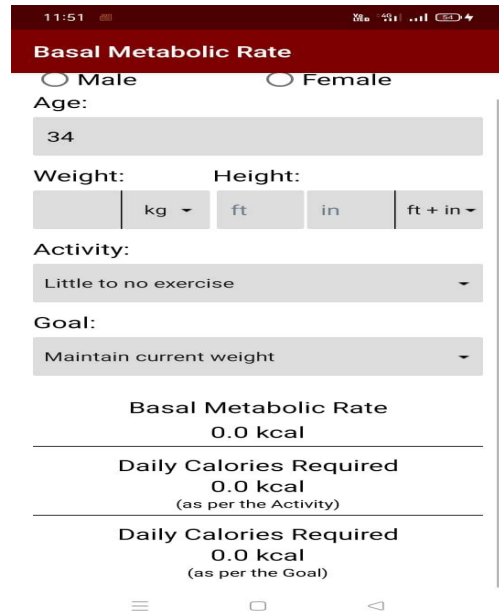
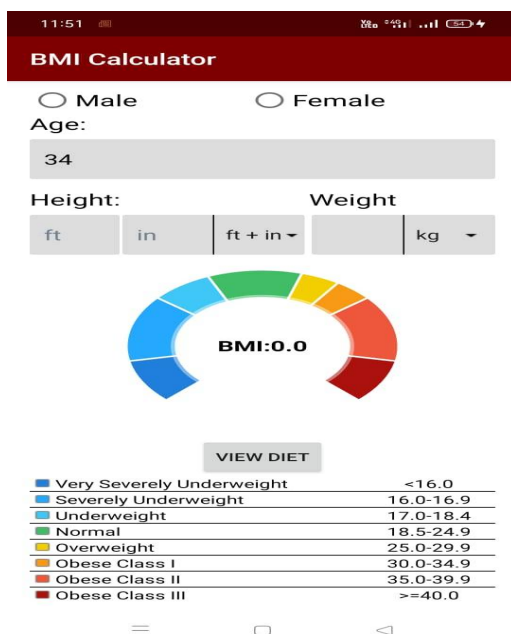
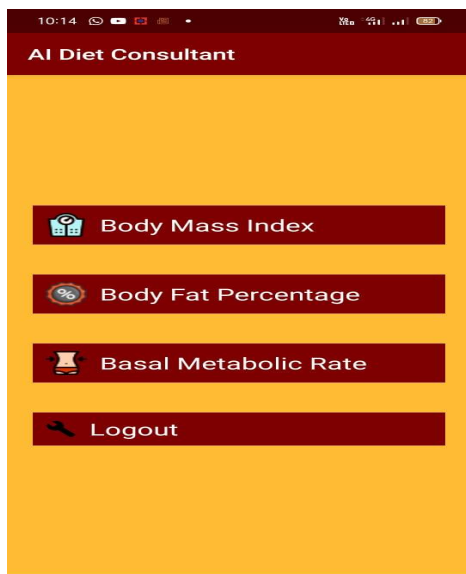


If the user is obese, he can either lose 1lb per week or lose 2lb per week. If the user is found to be in the low weight category, he can add 1lb per week or 2lb per week. Creating a diet plan will help the user to choose the food he likes by considering the calories he needs. So he should not eat any food that he does not like to keep his body healthy.

VII. RESULTS

The proposed work gives the following Results :

1. The System gives users a diet plan Mobile based on BMI and other factors.
2. This result indicates a diet plan for obesity people.



VIII. CONCLUSION

Our strategy to accomplishing this project has been to use Android to integrate artificial intelligence dietitian. User login, dietitian login, and admin login are all important parts of our system. The software system enables users to establish profiles and upload files. all their details along to the System with their BMI The administrator may look up each user's information and delete any accounts that aren't working. Visitors to the application may also access various dietician data using the system's dietitian login..

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