Health & Fitness Tracker Android Mobile Application

By **Shahd Aseedah** and **Tahreer Daoud**

Supervised by Dr.Ashraf Armoush

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Outlines,,

- *Introduction*
- *Existing problem*
- *The solution*
- *Description of our App*
- *How the system work*
- *Problems*
- *Related works*
- *Conclusion*

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Introduction

- *everyone want to have health body.*
- *Overweight became like a nightmare .*

- *Do you like to lose weight ?*

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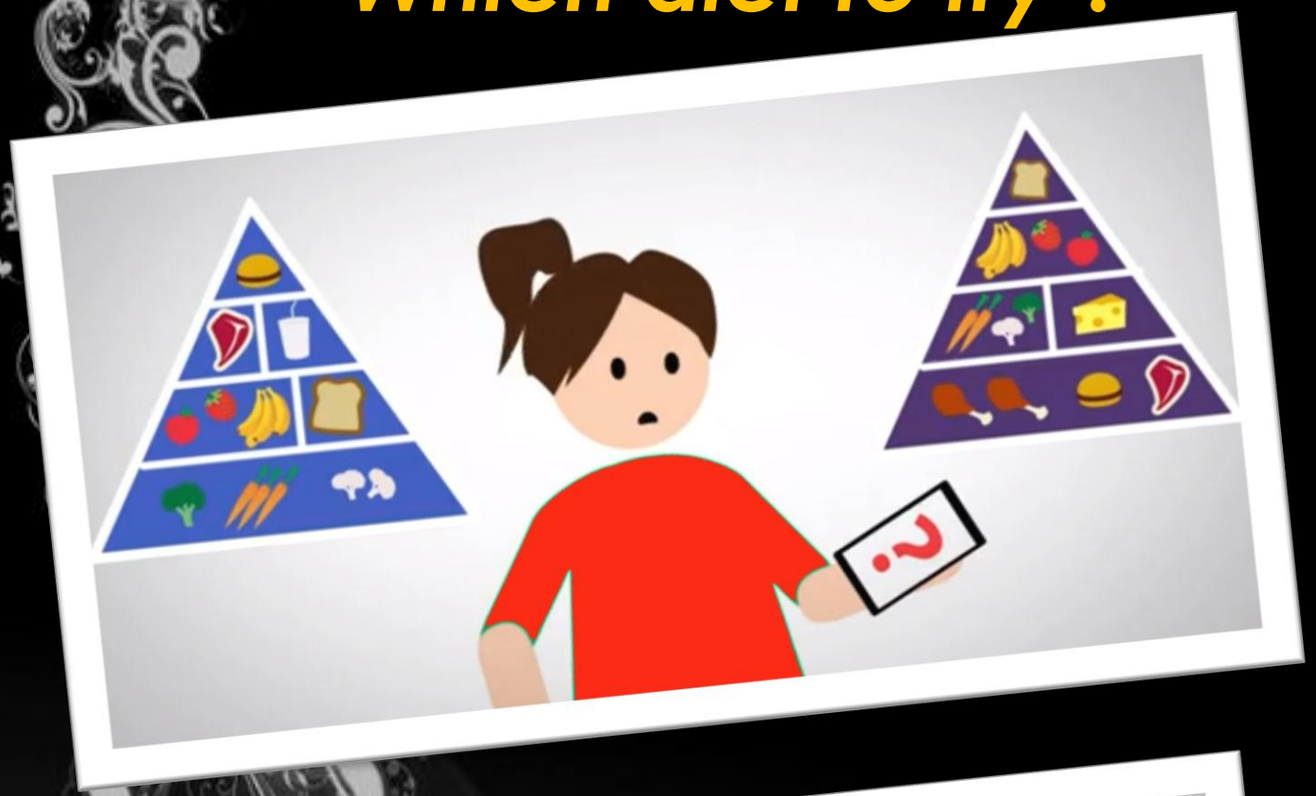
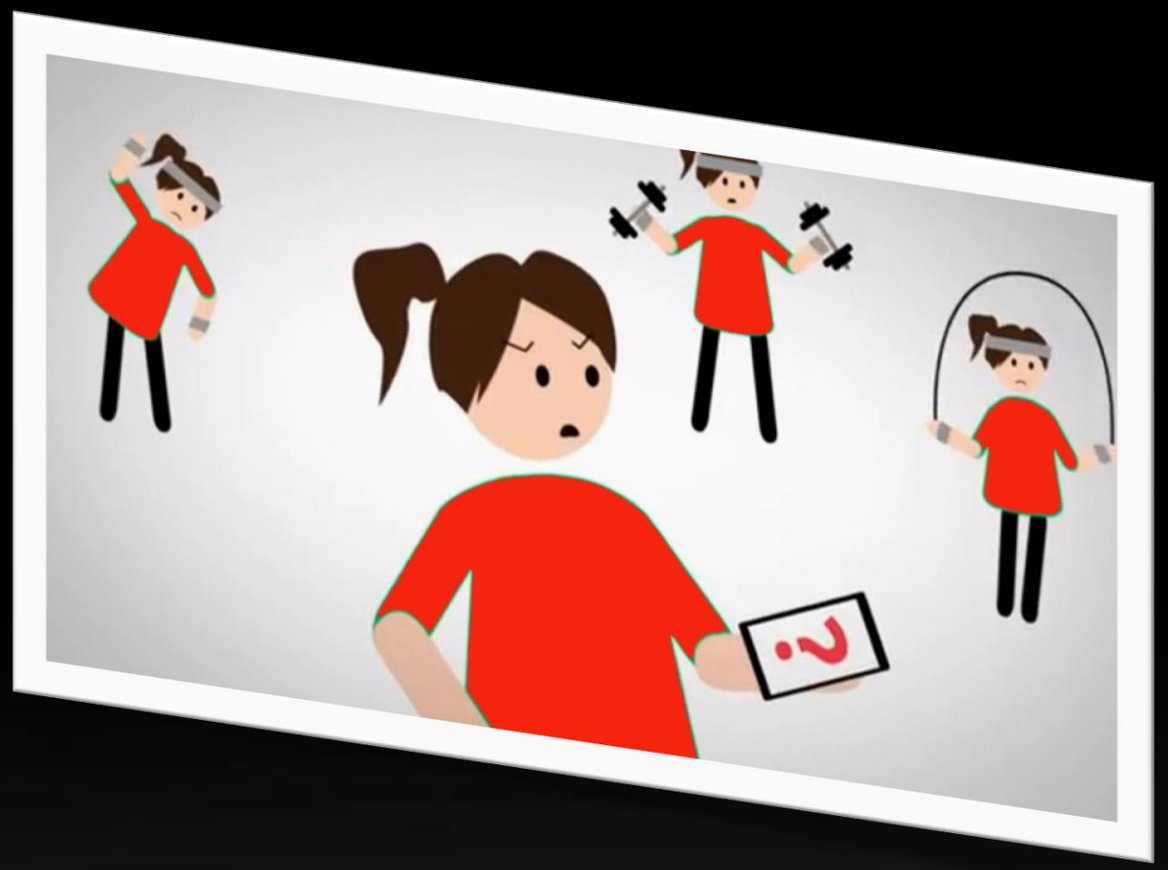
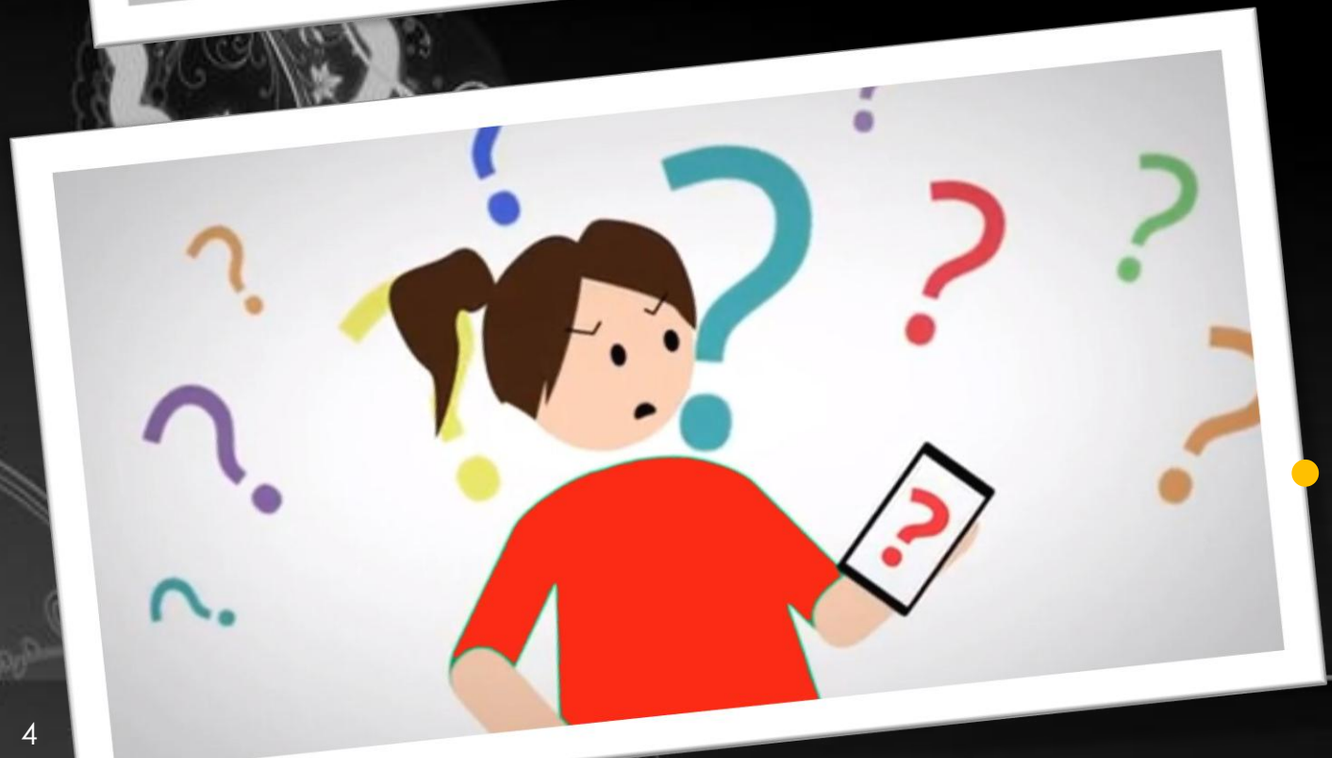
Existing Problem

- *Which diet to try ?*



- *Which exercise regimen to follow ?*





- *Or answer of millions of questions you had ?*

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Existing Problem

- *Expenses of personal trainer or specialist .*
- *Going to the gym*
- *Or you don't have the time.*

?????

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Here come the solution,

Smart phones became the most used and spread out devices.

- ***Our Android mobile application for health & fitness tracking.***

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Here come the solution,

Gacrive

- ***Android mobile application for health & fitness tracking.***

Description of our Application

- *Every thing you need to eat well, be active and stay motivated.*

- *Main functionalities:*

Tracking food and calories gained

Tracking your weight

Tracking exercises and calories burned

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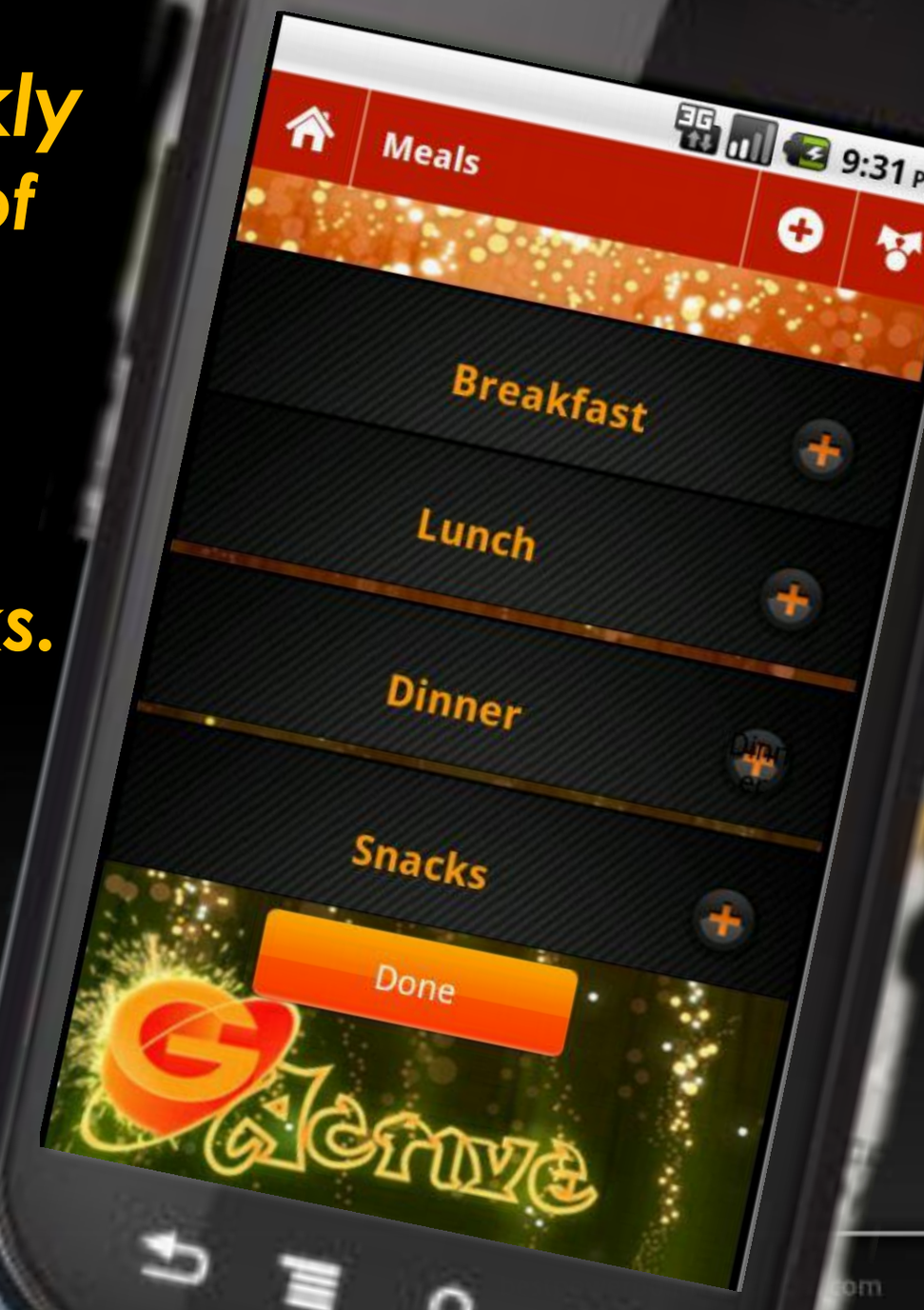
Food Tracking

- *Log all of your meals quickly & easily without the difficulty of counting every single calorie.*
- *Meals divided into breakfast, lunch, dinner and other snacks.*



Food Tracking

- *Add food items from database of large number of foods.*
- *Divided into categories of vegetables, fruit, meats, breads and drinks.*

Food Tracking

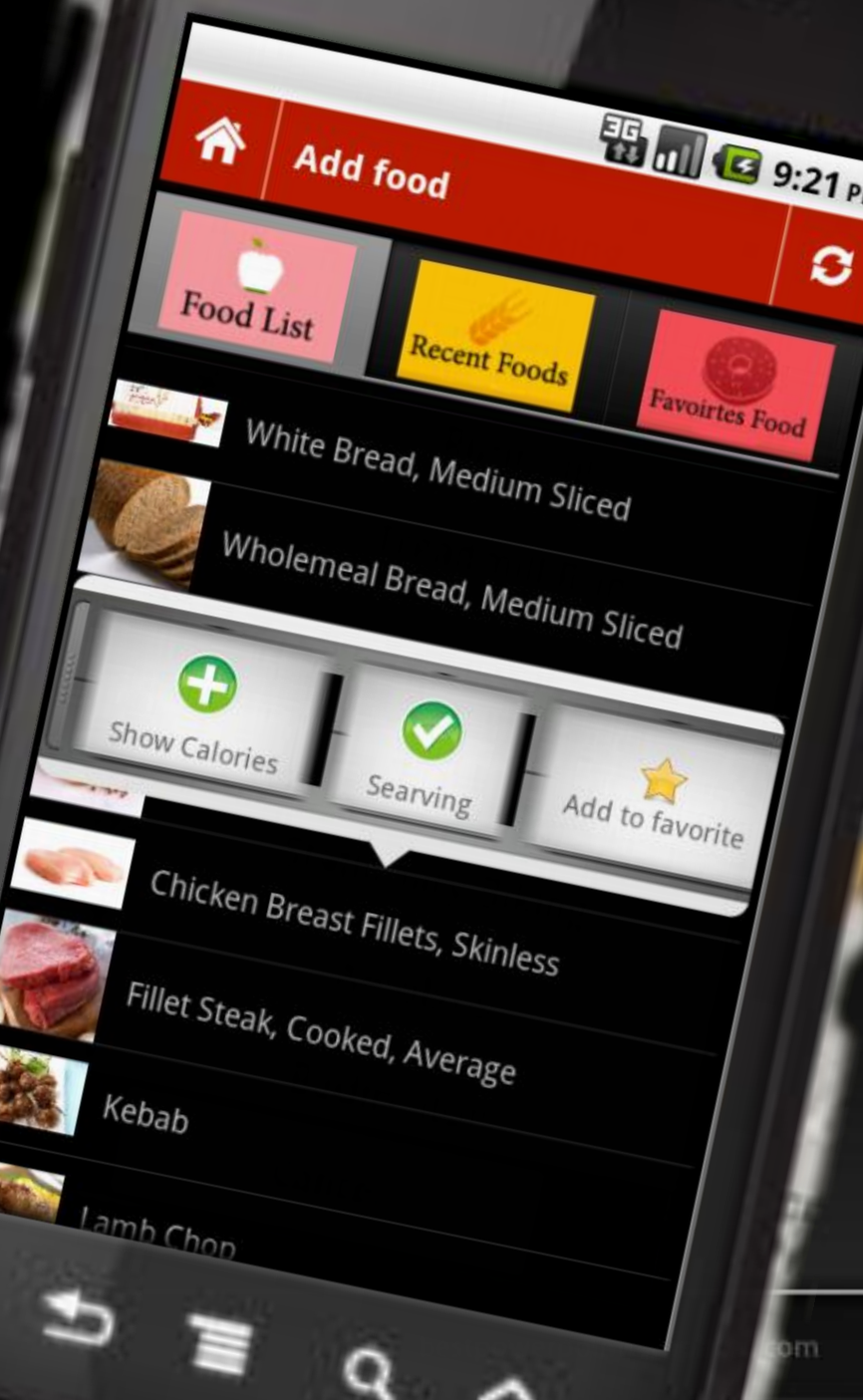
Food Tracking

Exercise Tracking

Weight loss progress

Social Networking

- *Set your favorite foods.*
- *Recent foods saved automatically.*



Food Tracking

Food Tracking

Exercise Tracking

Weight loss progress

Social Networking

- *Do you have a favorite dishes or recipes* ??

difficulties to select them every time

??

No time

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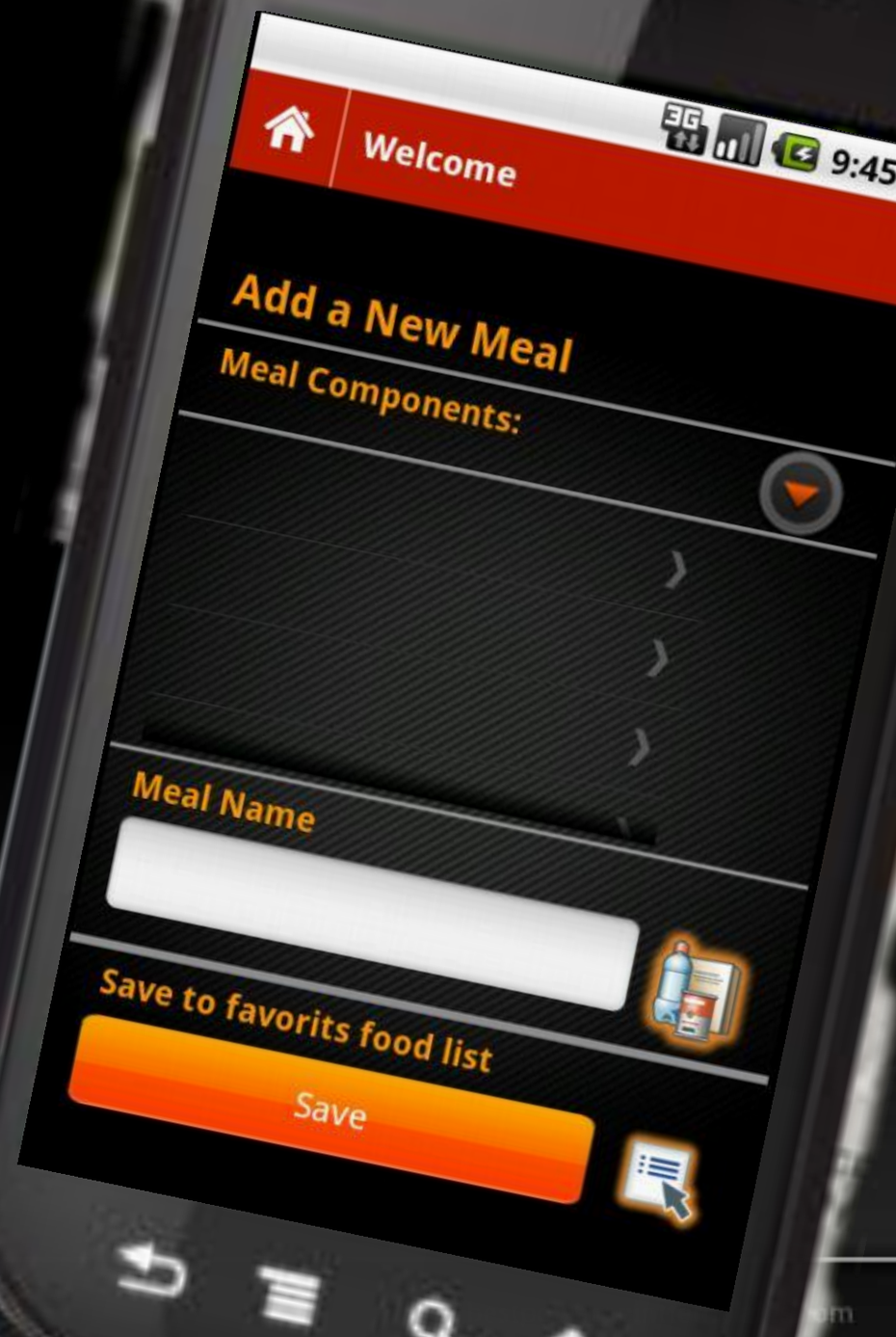
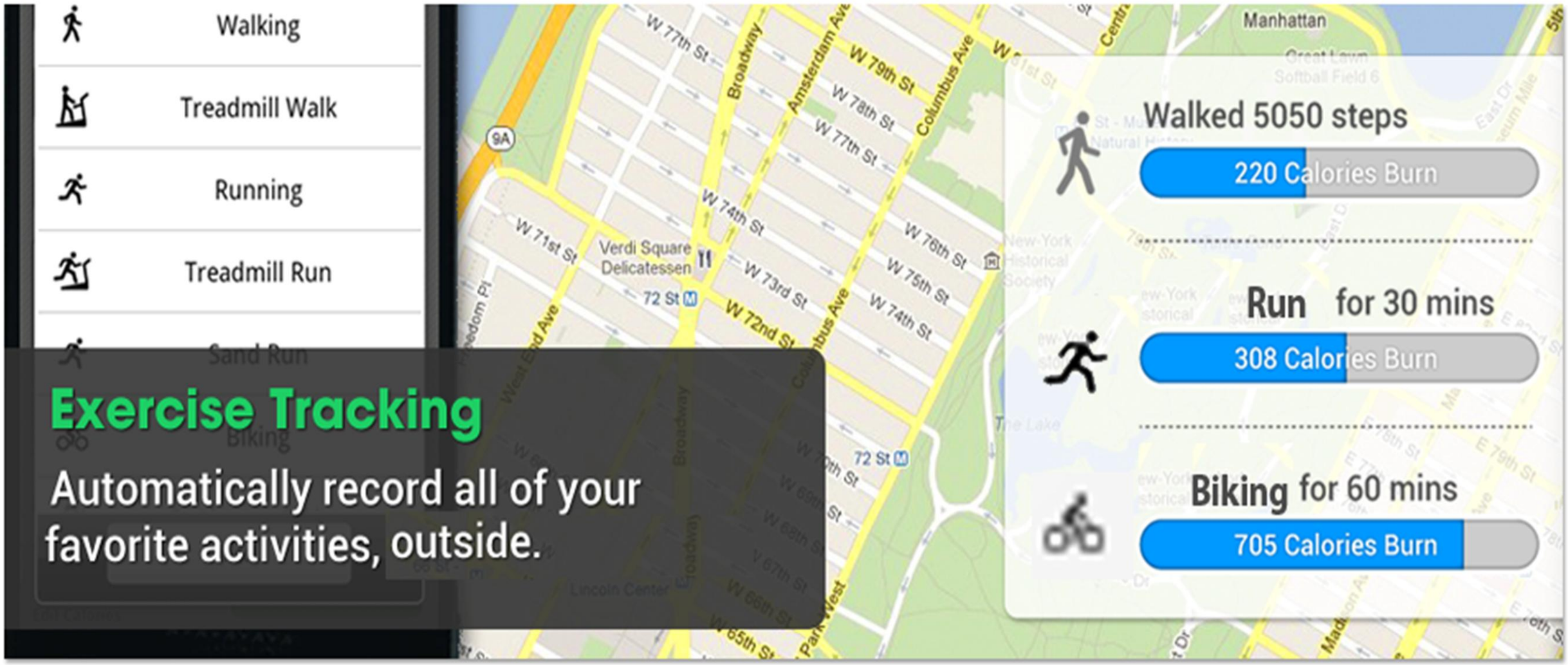
Food Tracking

- *Add your own meal*
- *Select its components*
- *Save them as a one food item to the database*
- *Easily select the later by* **one click**



Exercise tracking

- *An exercise tracker with real-time GPS .*



Exercise tracking

Food Tracking

Exercise tracking

Weight loss progress

Social Networking

- *Many activities ,from walking to running to biking…*
- *You'll see information about distance, time, calories burned, place and more.*

View your weight loss progress

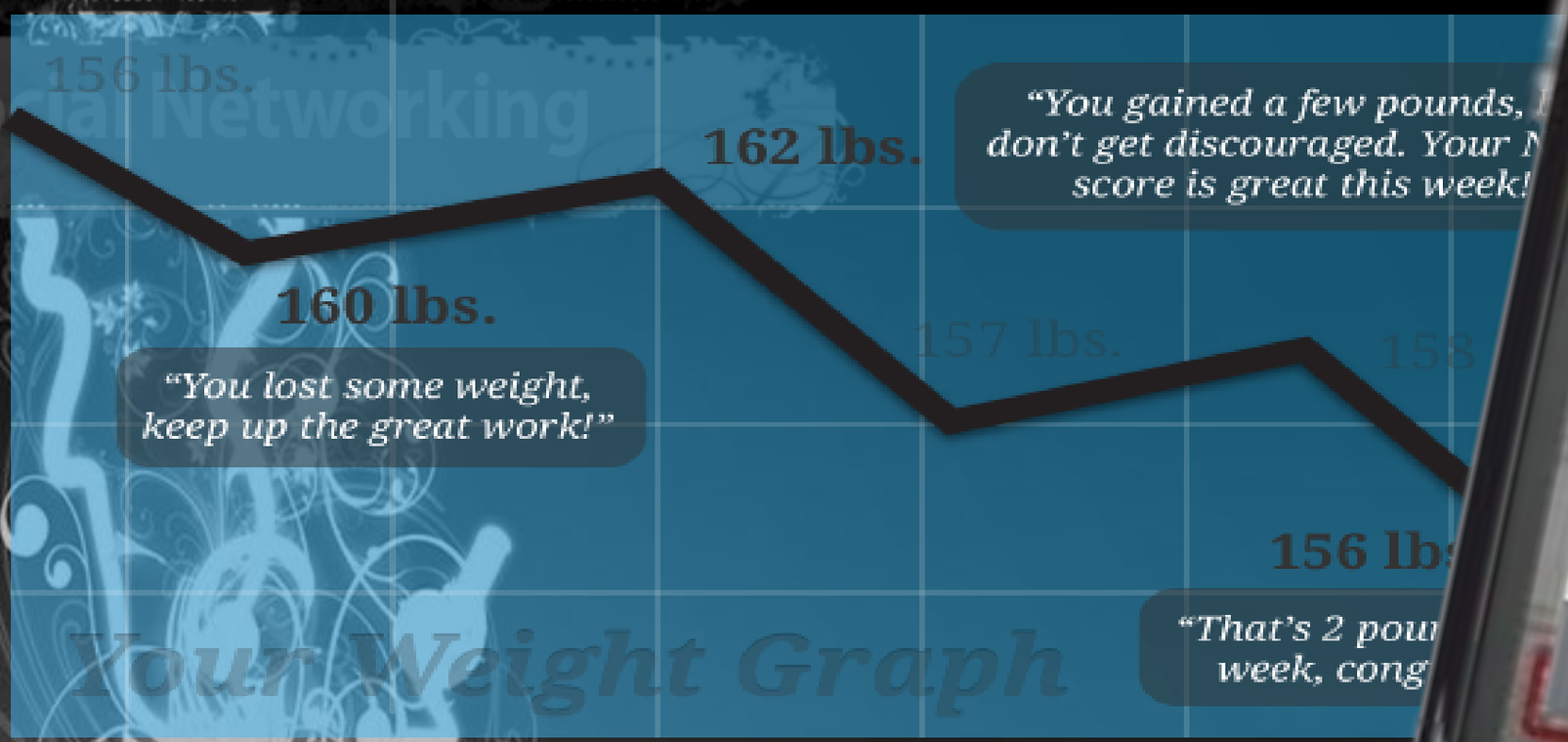
Food Tracking

Exercise Tracking

Weight loss progress

Social Networking

- *View a graph of your weight loss progress to see how close you are to your goal.*



Social Networking

- *Facebook Sharing*
- *make the App more interactive.*

Share:

- ✓ **Your weight loss**
- ✓ **Eaten meals**
- ✓ **Done exercises**

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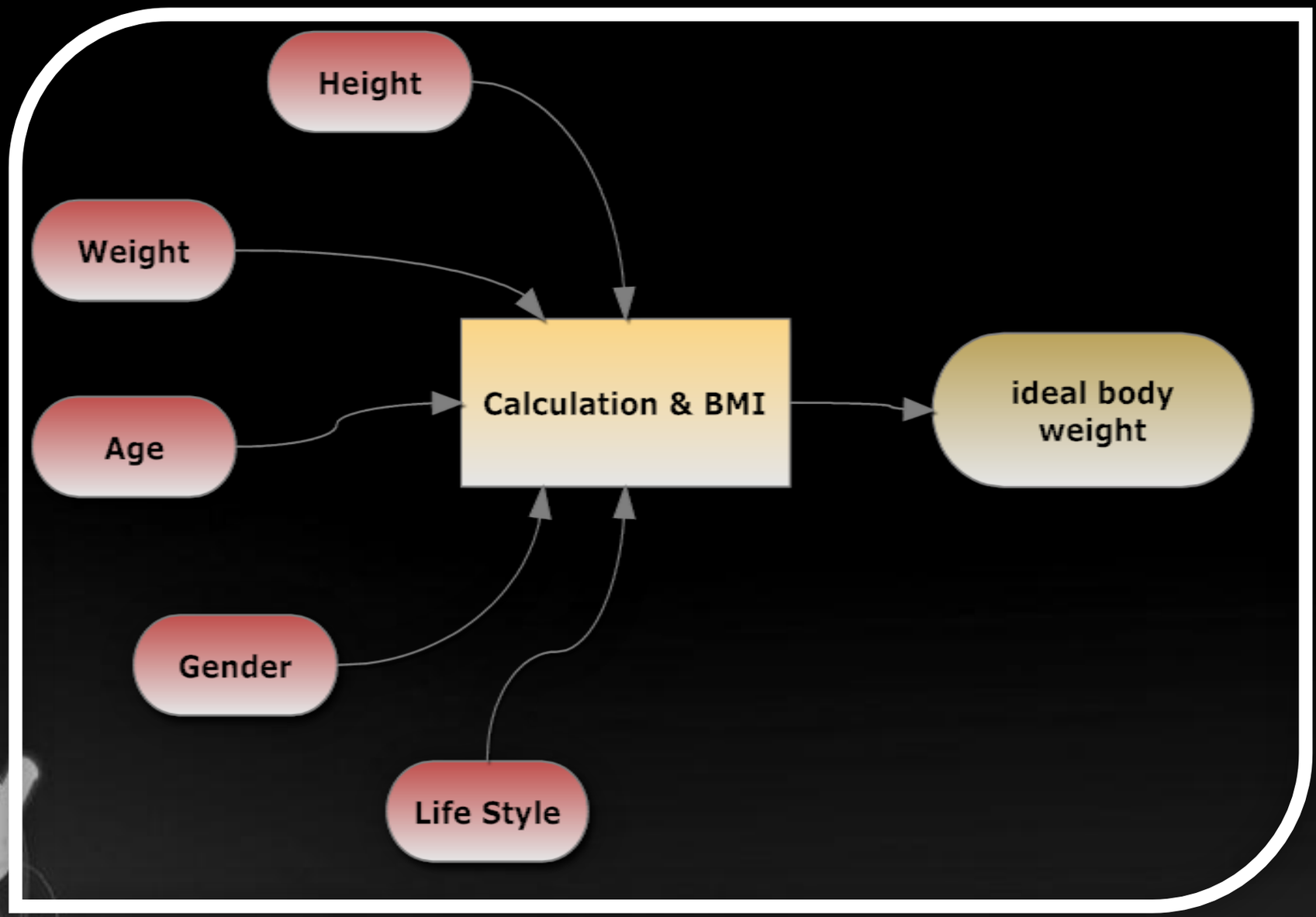
How does our app work?

First ,,

- *Registration*
- *Entering your profile info*

How does our app work?,,, cont.



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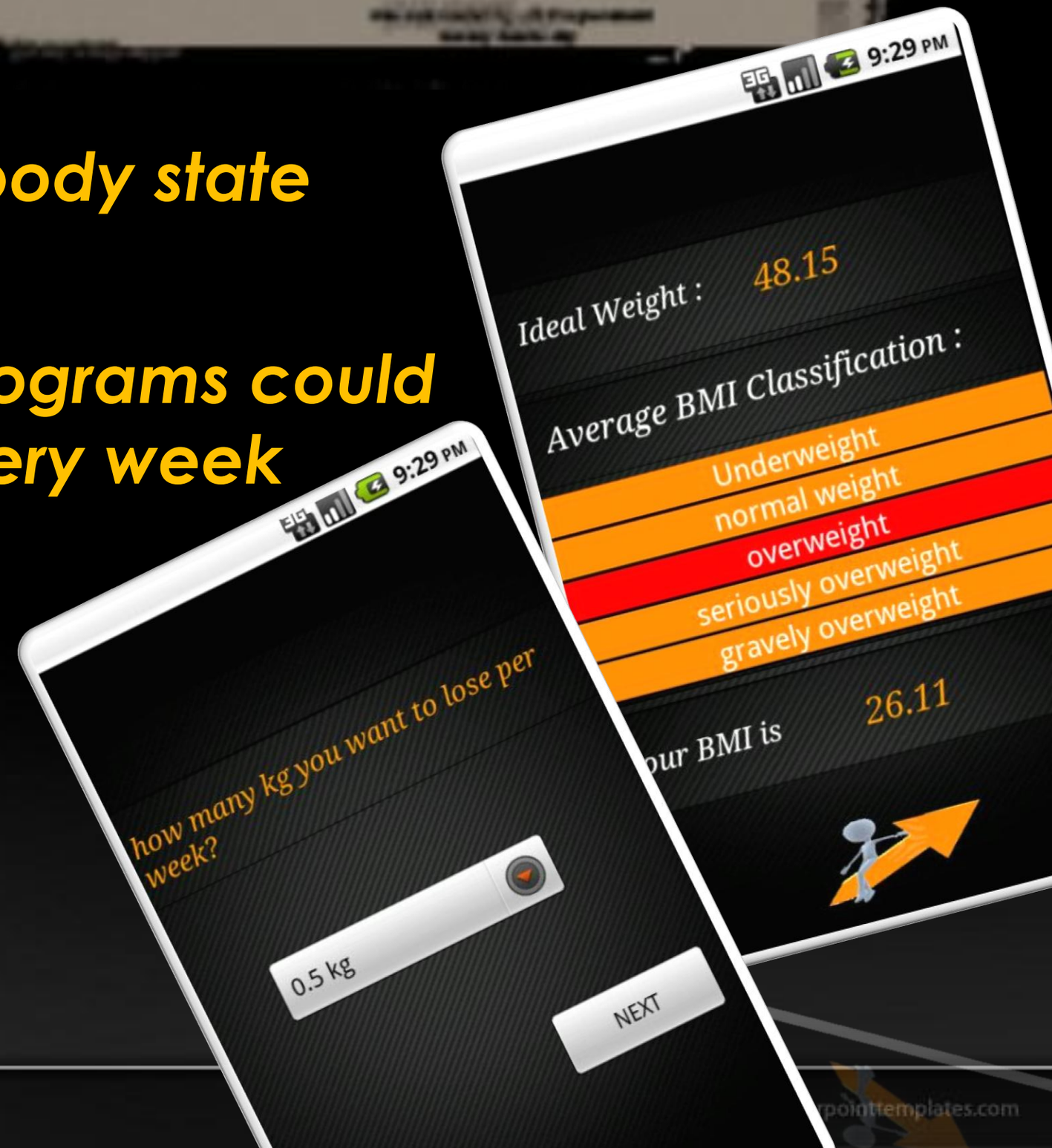
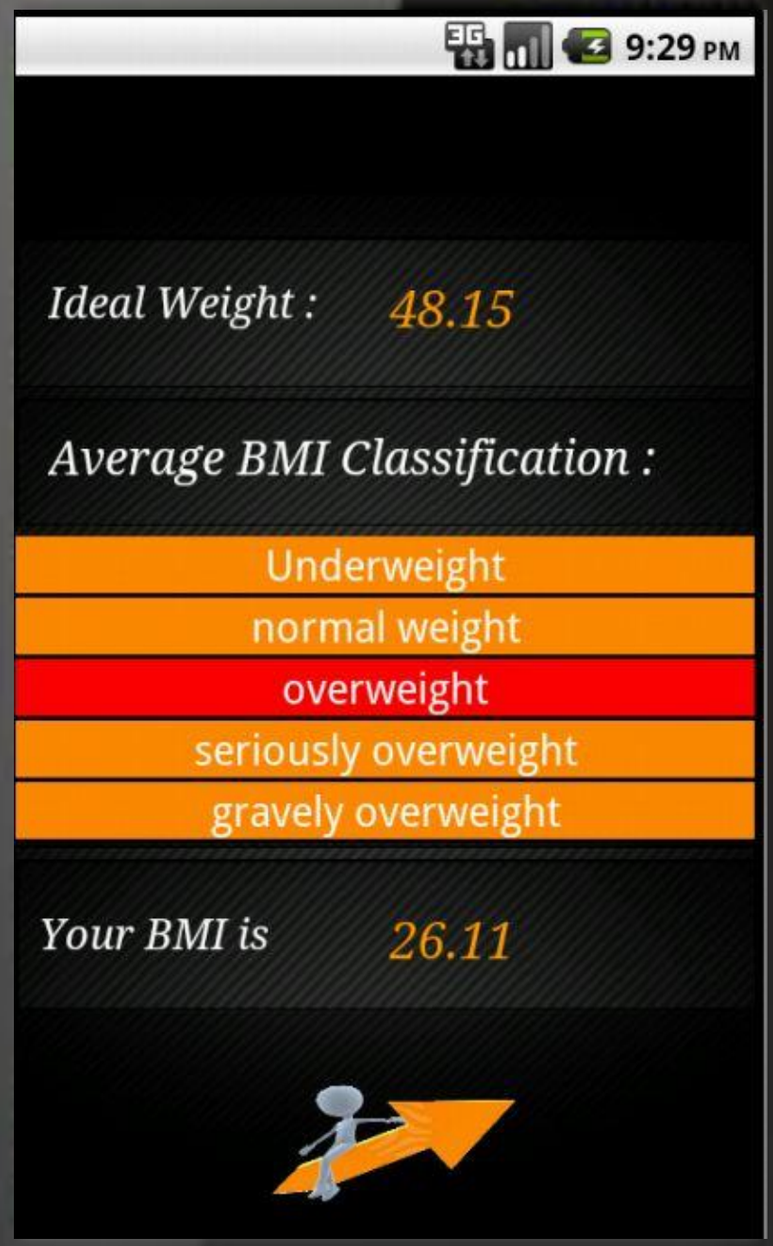
How does our app work?

- *Classify user body state*
- *How much kilograms could be lost for every week*





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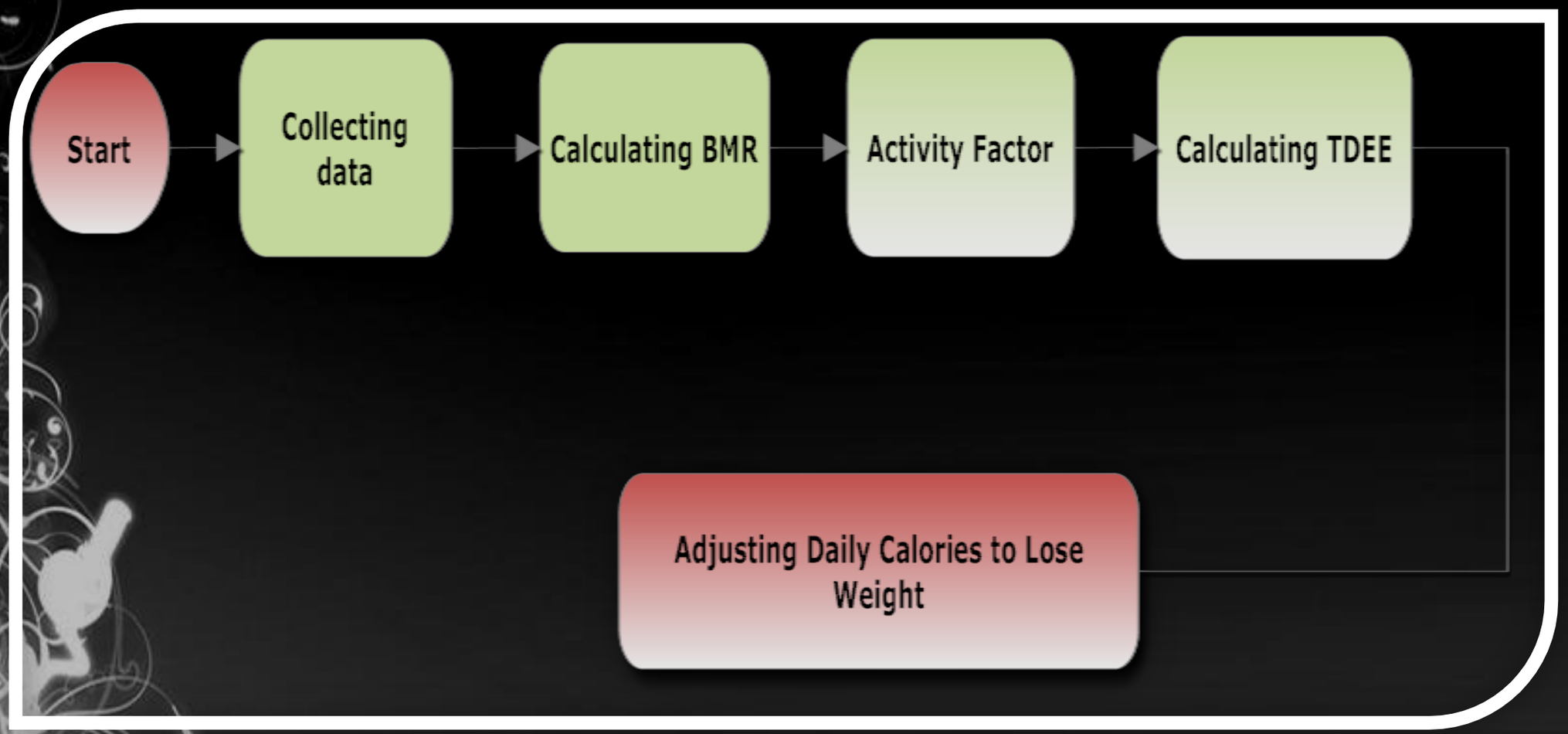
How does our app work?,,, cont.

- *We have to keep an energy balance.*
- *So, we determine how many calories the user should eat per day to reach his goal of weight.*



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Exercise Tracking by GPS

- *GPS reads user location .*
- *& compute distance each time location changed .*

Speed

Distance

Avg speed

Time

Calories burned

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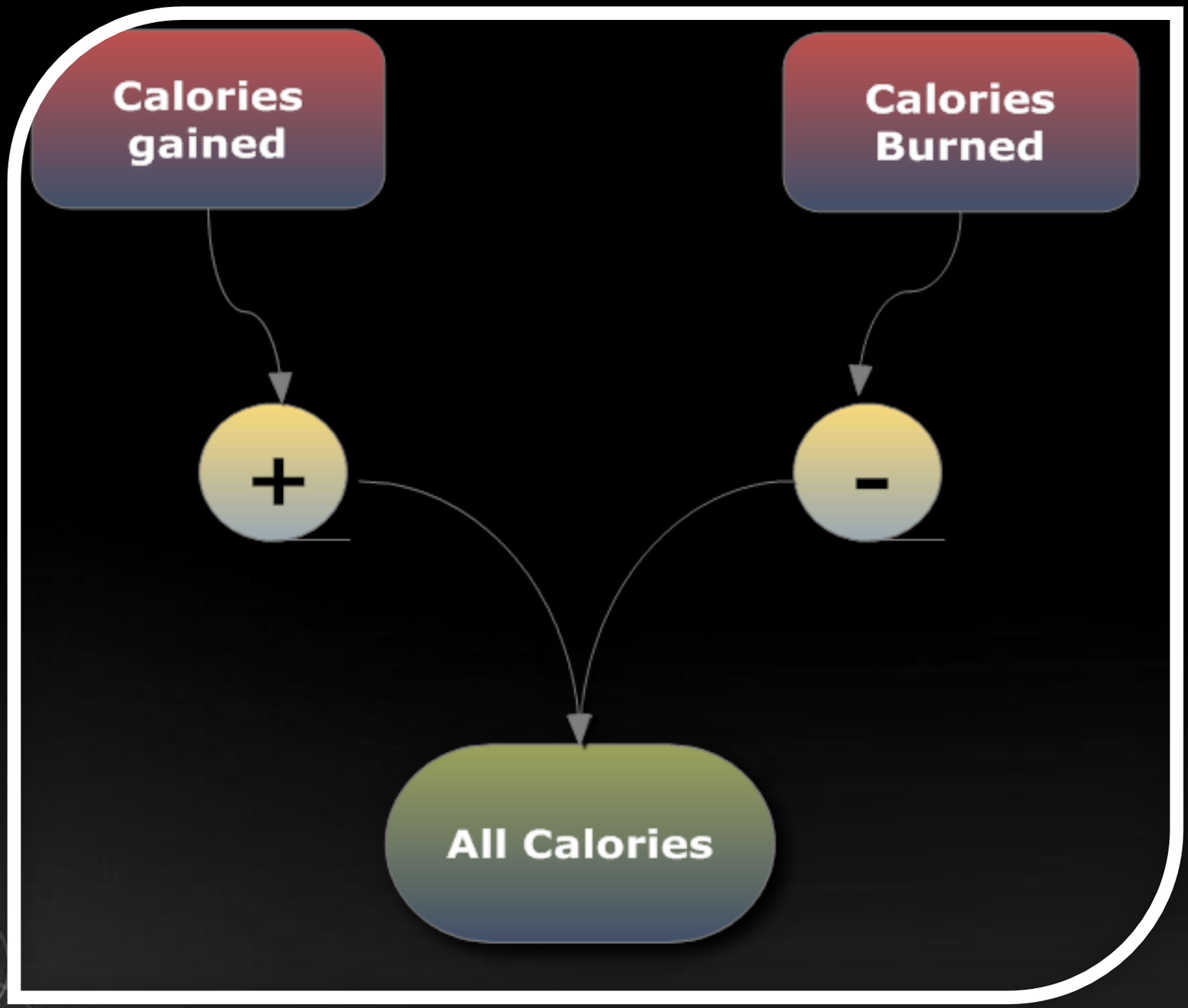
How does our app work?,,, cont.



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Problems

- ***Accelerometer***

a mobile sensor that measures the vibration or acceleration of motion .

- ***GPS***

Difficulties to determine & get the exact location in Palestine.

- ***Android for the first time***

Ourselves learning of android programming language.

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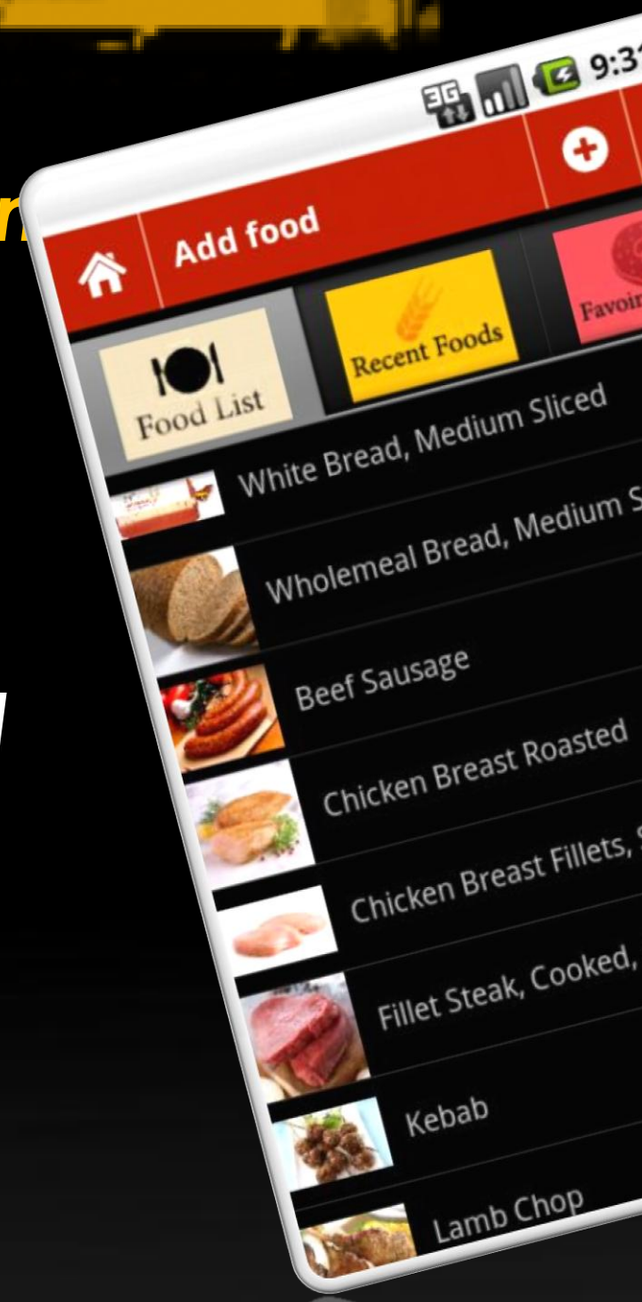
Related works

- *There are many Android application concerned with losing weight.*

But

- *The special about our app is gathering many of the features and services all in one application.*



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Conclusion

- *Our application is taking care of an important side of any person's life.*

- *keep track of body fitness . Both healthy eating and physical activity are important in weight control.*

- *We test our application on an Android device and did many experiments until we come up with a very good results, furthermore, we compare our results with other apps that have some of our application features.*

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THANK YOU

Hope you enjoy

Discussion ☺

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