



# Kiet Groups of Institution

## Presentation -1

on

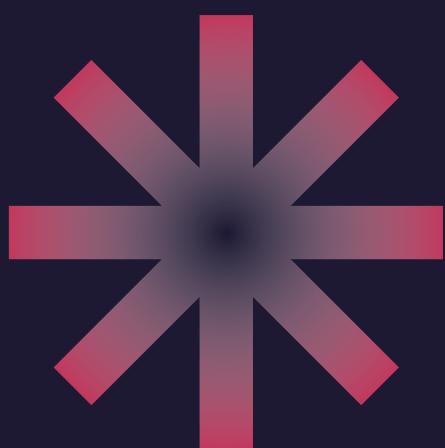
## Food Scan

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Under the supervision of  
Ms. Komal Salgotra  
(Assistant Professor)

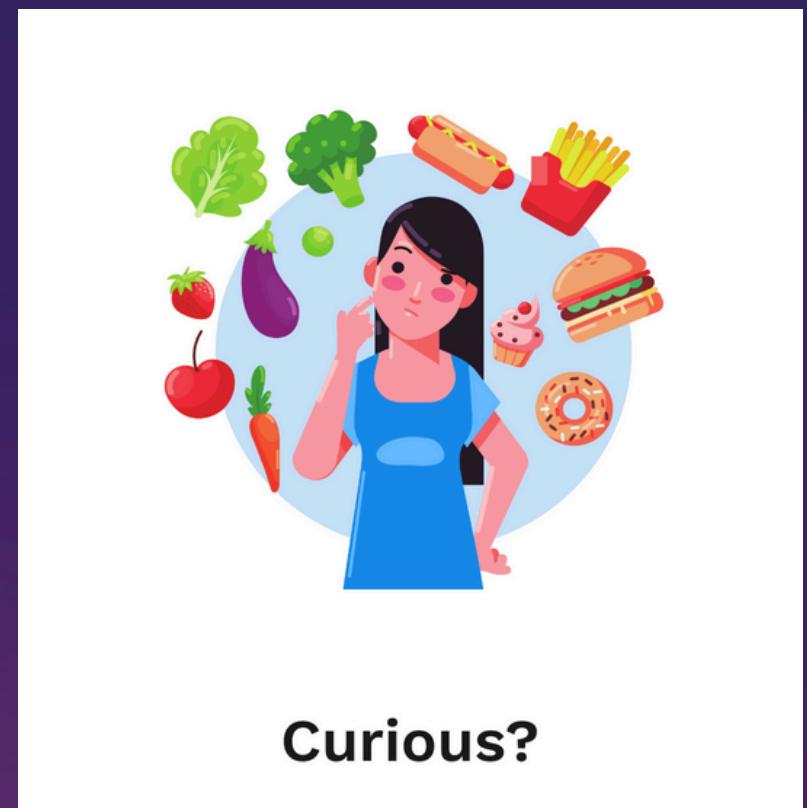


# INTRODUCTION

TOPIC >

## FoodScan: Your Pocket Nutritionist

Welcome to Food Scan your personal guide to understanding the nutritional value of your food. We'll explore how our mobile application simplifies decoding food labels, offering clear insights into your dietary choices. Join us as we revolutionize nutrition tracking!



# OUR TEAM

Disha Gupta

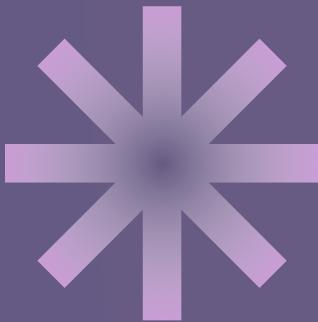
Dhruv Agarwal

Ayan Jain

- Team Leader
- Frontend
- Presentation ppt

- backend
- Synopsis PPt

- Testing



# PROJECT GOALS

## Goal 1

To enable users to get information about the nutrients and calories

## Goal 2

To display graphs on their calorie and nutrition consumption to track their diet.

## Goal 3

To provide health tips

# Technologies

## Front End Tool

Flutter SDK [17]

## Back End Tool

Node.js [18]

Bcrypt [19]

JWT

Express

OpenCV

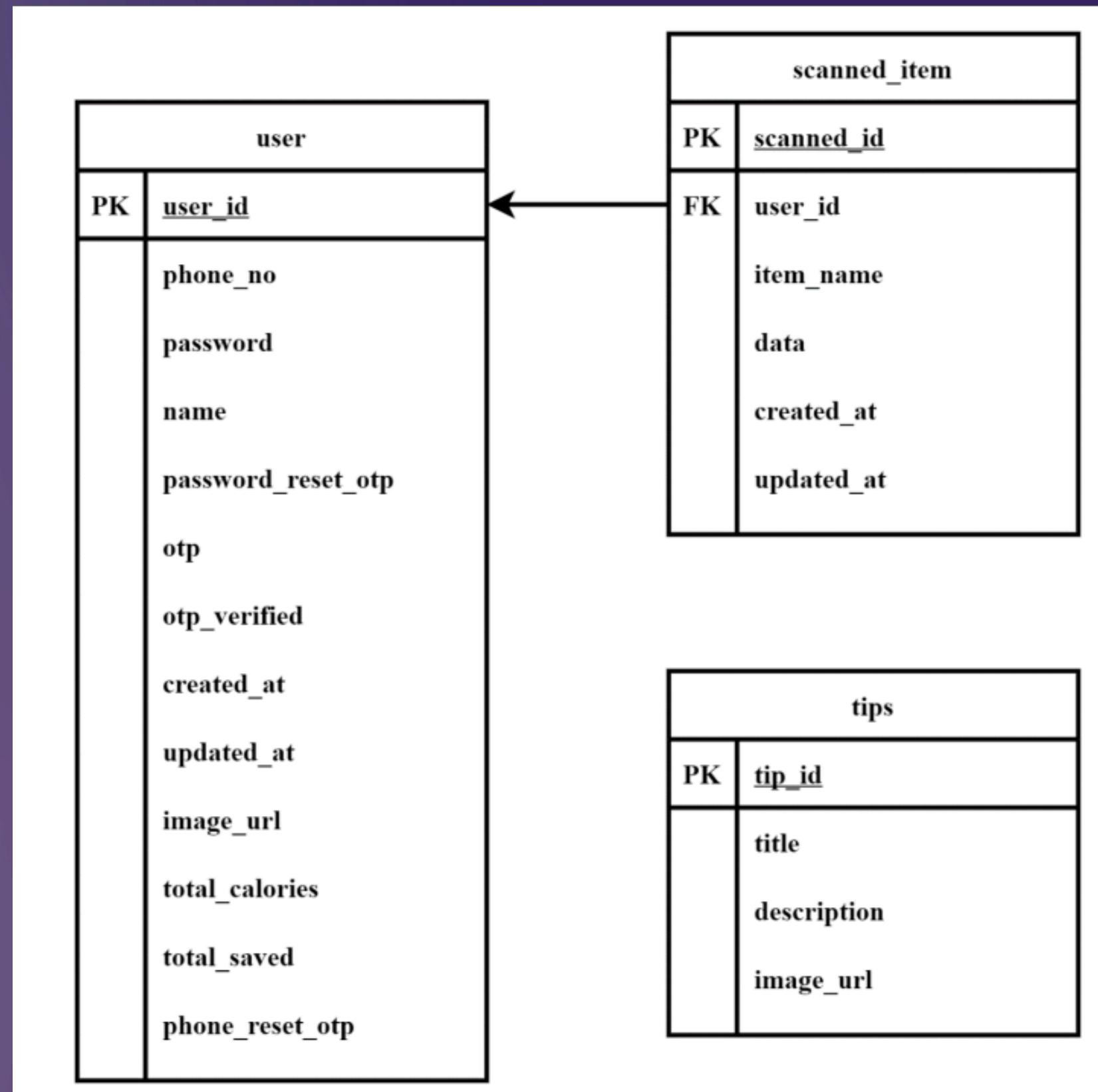
MongoDB

Python

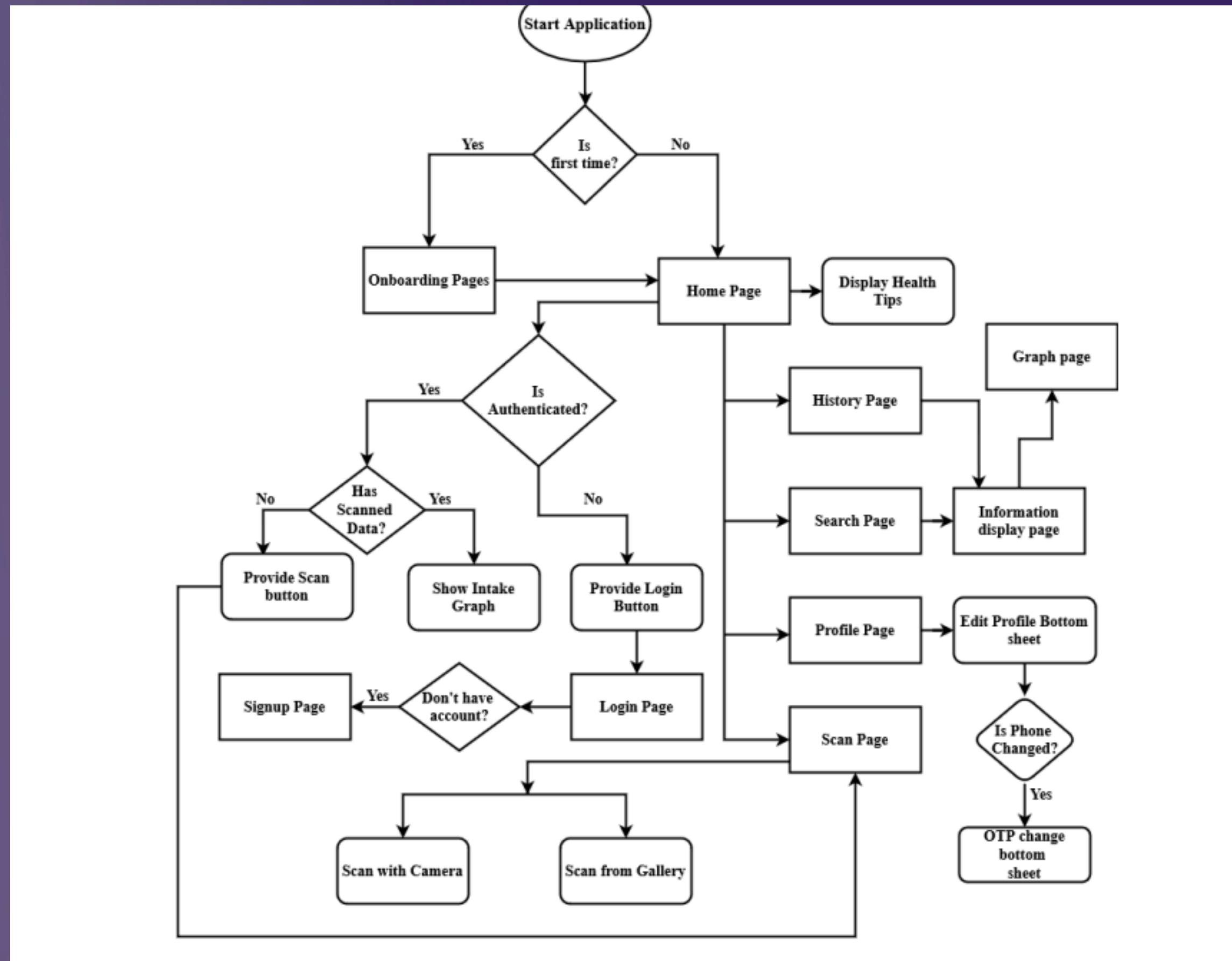
## Operating System

For running backend, a VPS is recommended to run Node.js and Python. For the smooth running of the app, it is suggested that the device has RAM greater than 2 GB. This project requires an Android OS with an Android version greater than 4.4. This project is compatible with iOS also. An Android or iOS device with a camera is required to scan. Internet connection in the smartphone is required.

# ER DIAGRAM



# Flow Chart



# Use Case Diagram

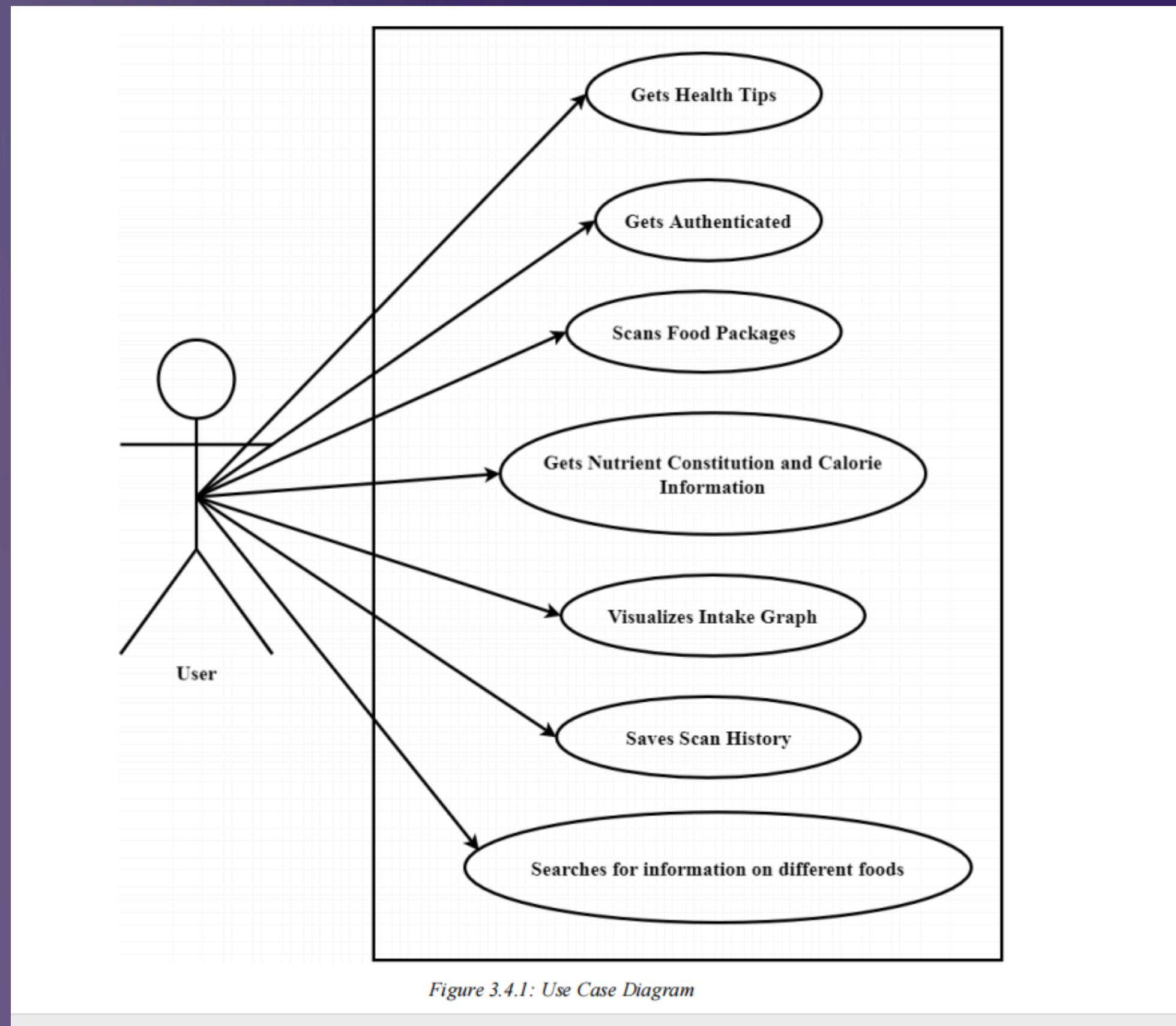
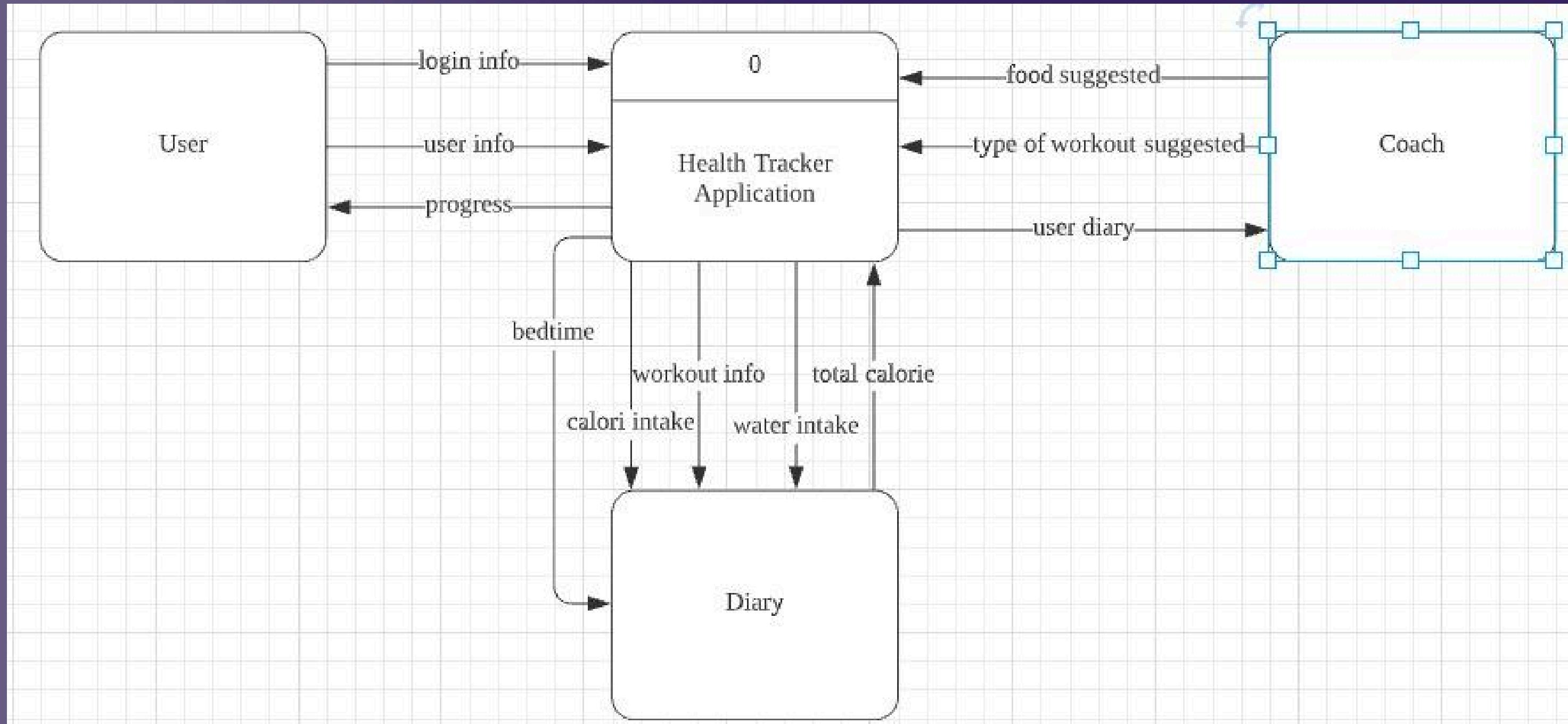


Figure 3.4.1: Use Case Diagram

# Data Flow Diagram



# IMPLEMENTATION

Layout of the app (Figma Design)

03-04 Feb

User authentication

10-11 Feb

Front End Implementation

17-18 Feb

Image Processing

24-25 Feb

Back End API connection

17-18 Mar

Front End and Back End Merge

7-8 April

Documentation

21- April

# FEATURES

- Show details about product
- Visualize scan result
- Save scan results after logging in
- Search if unable to scan
- View scan history
- Visualize more with graphs
- Health tips



# THANK YOU!