MAD Module Project Report

PROJECT THEME: FITNESS APP
PROJECT TITLE: FITBRO

XIE JIAYI (P2302816)
KAI YANG (2319290)
CLASS: DCPE/FT/2B/02

Brief Introduction

Problem Statement: How can we reduce obesity amongst children?

Fitbro is a comprehensive fitness app designed to help users achieve their health and wellness goals. It tracks daily calorie intake and the food users consume, while providing easy-to-follow step-by-step workout plans. Fitbro allows users to find nearby gyms, set workout reminders, and track their daily weight to monitor progress. Users can earn points by completing workout plans, compete with friends for extra motivation, and redeem their points for vouchers. Whether you're looking to track calories, stay motivated with workout routines, or compete with friends, Fitbro offers a fun and engaging way to stay fit and healthy.

Basic Features Implemented

1. Text to speech when following workout plans.
2. Splash screen with music during app launch.
3. Google Map to find nearby gyms and display user location
4. RecyclerView
5. CardView
6. Bottom Navigation Bar

Advanced Features Implemented

1. RecyclerView
2. Use of SQL
3. Use of Cloud Database - Firebase
4. Use of Barcode Scanner to scan and update nutritional value of a product.
5. Use of camera for uploading profile picture.
6. Google Map with latitude and longitude detection

Contribution of Individual Member

S/N	Jiayi P2302816	Kaiyang 2319290
1.	Text to speech (basic)	Splash screen with music (basic)
2.	CardView (basic)	CardView (basic)
3.	RecyclerView (basic)	Bottom Navigation (basic)
4.	RecyclerView (Advanced)	RecyclerView (Advanced)
5.	MySQL and Firebase (Advanced)	MySQL and Firebase (Advanced)
6.	Camera (Advanced)	Barcode Scanner (Advanced)
7.		Google Map (Basic and Advanced)

Project Demo Video URL

Sample Project Demo Video:
https://drive.google.com/file/d/10JPYXGZCy6E4yrsVwEgMpHLpMw
U77CGJ/view?usp=sharing