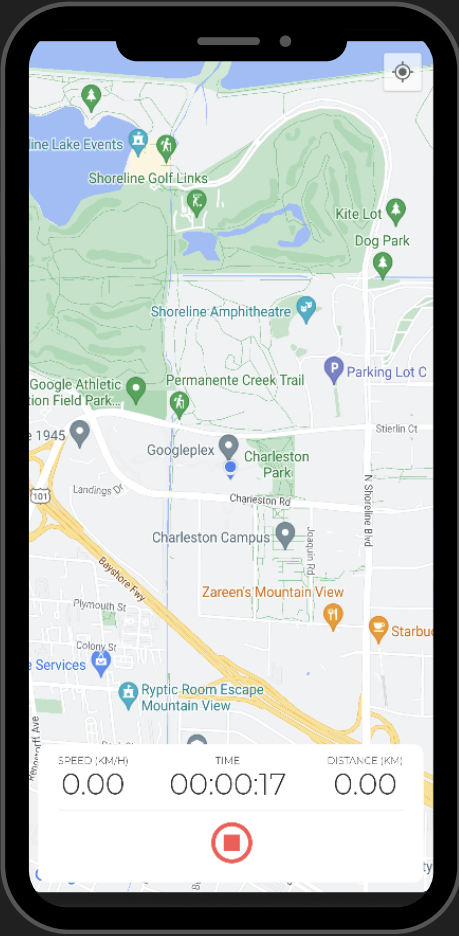
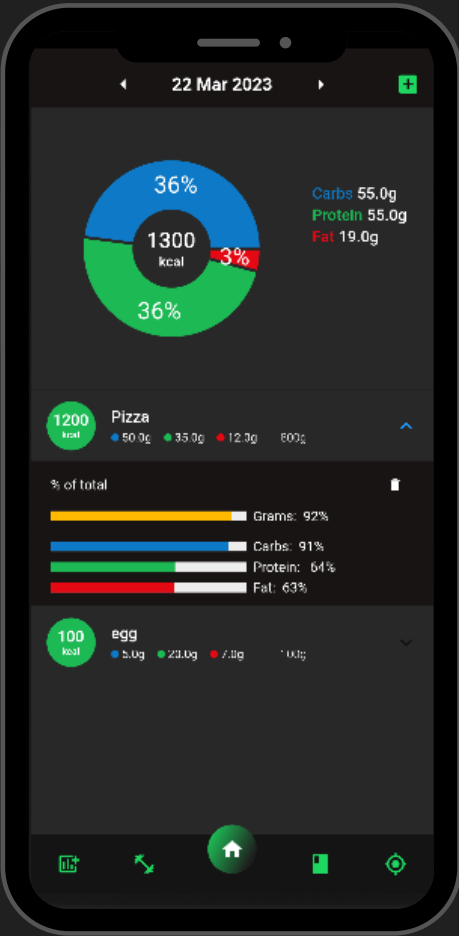
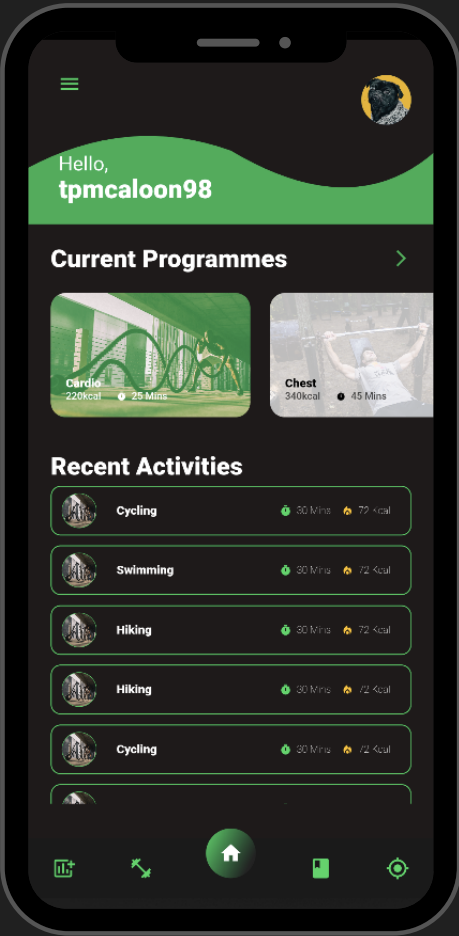
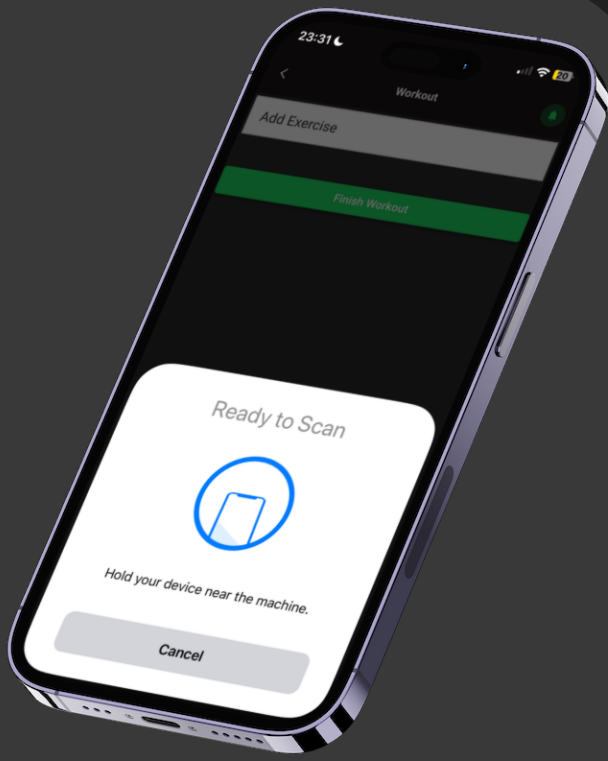


# FitSmart - The NFC Powered Fitness App



## What is FitSmart?

FitSmart is a fitness app that utilises NFC technology to create a faster and more intuitive experience. It allows users to easily track their fitness activities and progress, customise their workout plans, and receive real-time feedback on their performance. In addition, users can also track their food and use GPS to track runs.



## How was it developed?



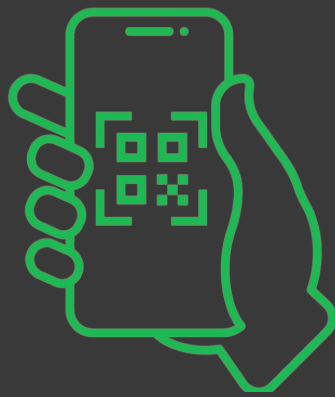
FitSmart is built on the Flutter framework and integrates NFC technology to allow users to quickly and easily connect with fitness equipment such as treadmills, exercise bikes, and weights. Using both Android Studio & Xcode I developed the project in unison, adding features to both platforms. Firebase, a NoSQL database, was used to store the data; Firebase also manages the user authentication.

## Features?

- NFC integration for seamless connection with fitness equipment
- GPS and accelerometer sensors for accurate activity tracking
- Live tracking of runs, including time, speed & distance
- Real-time feedback on performance
- Food diary allowing users to track their daily food intake

## Why was FitSmart developed?

FitSmart was a project developed to showcase the usefulness of Near Field Communication (NFC) technology compared to Quick Response (QR) codes for gym users. The main goal of FitSmart was to create a more efficient and user-friendly way for people to log data during a workout.



VS

## Future of FitSmart?

To fully demonstrate the potential, future work would include developing a smartwatch application so that users can workout without their phone while still utilising the NFC functionality.

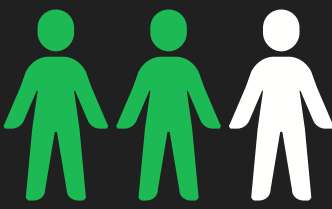


## Video Demo



Users Found  
NFC faster

2 in 3 found the app  
aesthetically appealing



Users gave a 8/10  
on the App

Users Preference

