FitnessTrack

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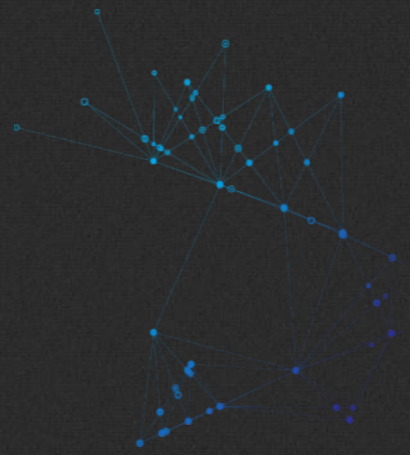
Yiyang Lin



CONTENT

1 Introduction

Introduction

FitnessTrack is a health record listing application, allows users to record food items in each meal and define the health level of each meal.

Our motivation for doing this App was that when I used to work out, I wanted to have an App to record my food for each meal, and there were some workout foods that I would make a lot at one time, and I also wanted to record the date that the food was made. Therefore, I made this app to manage my diet while working out.

2

Related Work

Related Work

OMO

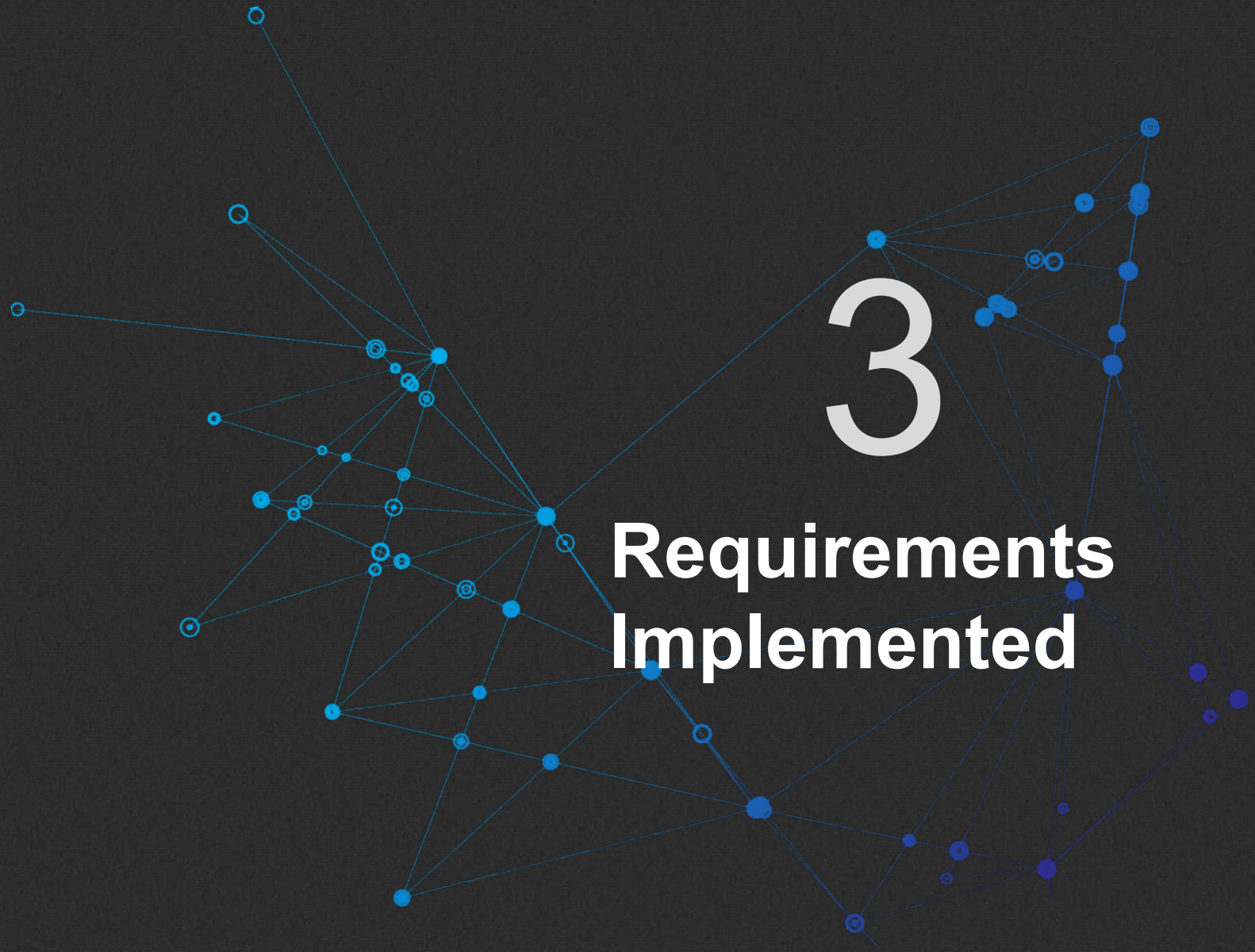
Take control of users' weight goals. Track how many calories user consume and burn to stay within users' personally calculated calorie interval.
Get a personal step-by-step action plan on a day-to-day basis.

Keep

The app allows users to view fitness videos and to buy fitness equipment. It contains a social networking service so that customers can share exercise routines with each other.

Difference

FitnessTrack's main function is to record the healthiness of each meal and categorize them for easy review by the user.
It offers a high degree of customization. User can define what time they eat.
It also provides an eye-catching color markings, so user will know if the meal they eat is healthy or not.

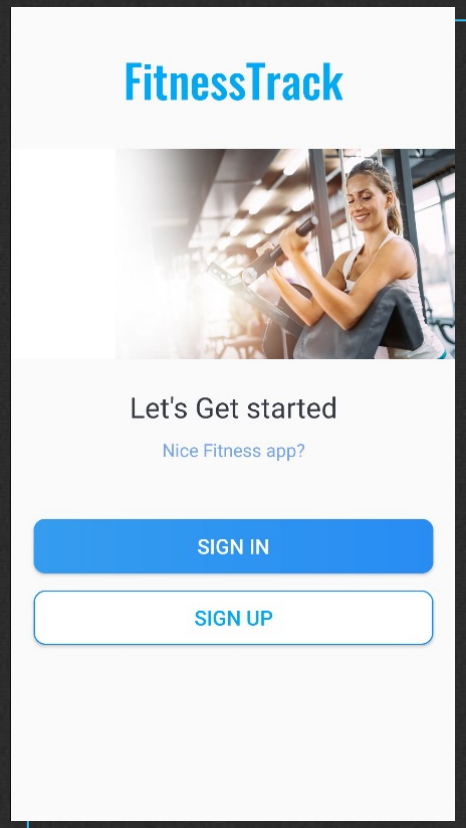


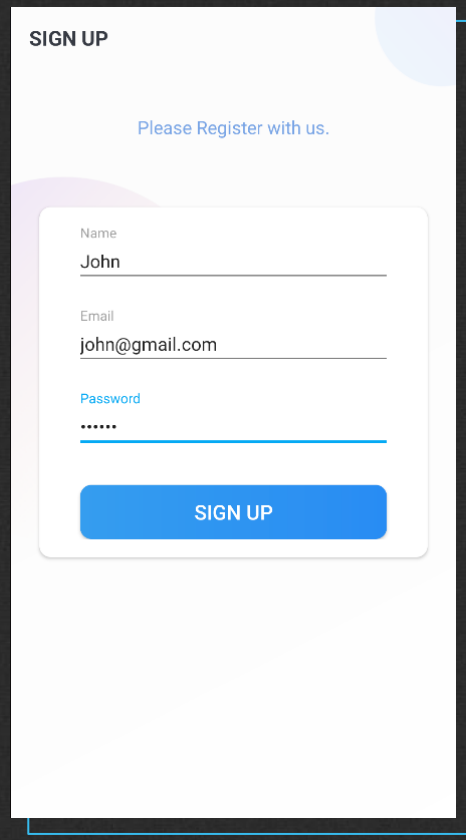
3

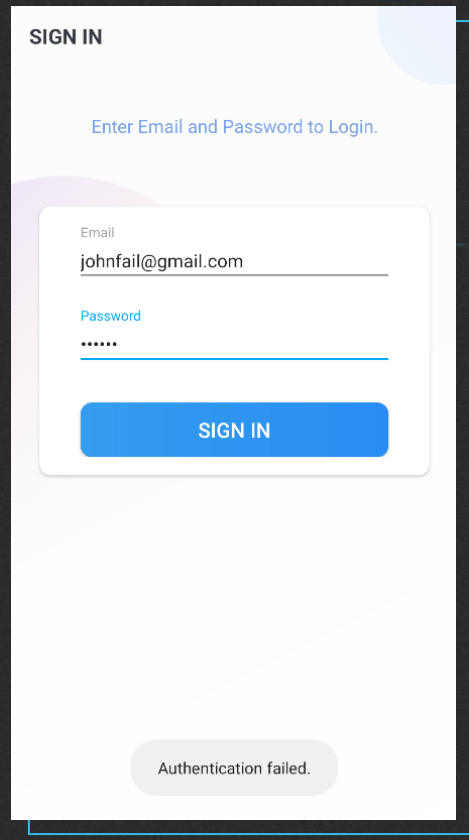
Requirements Implemented

Requirements Implemented

Sign In/ Sign Up

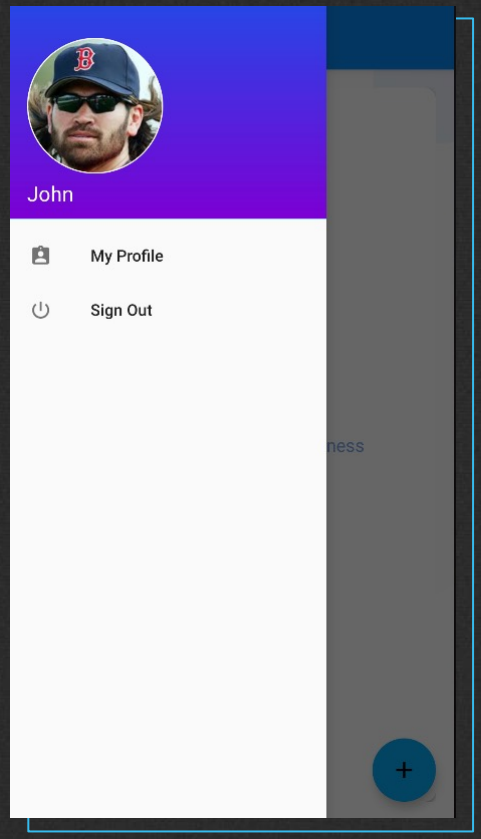


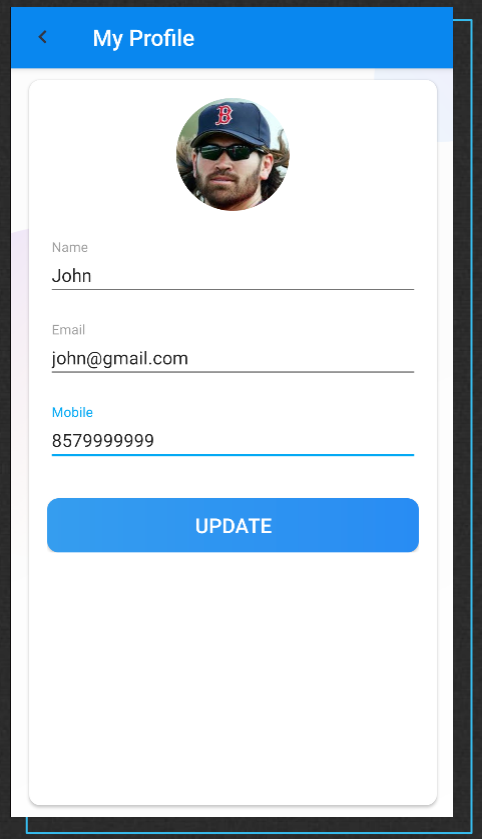




Requirements Implemented

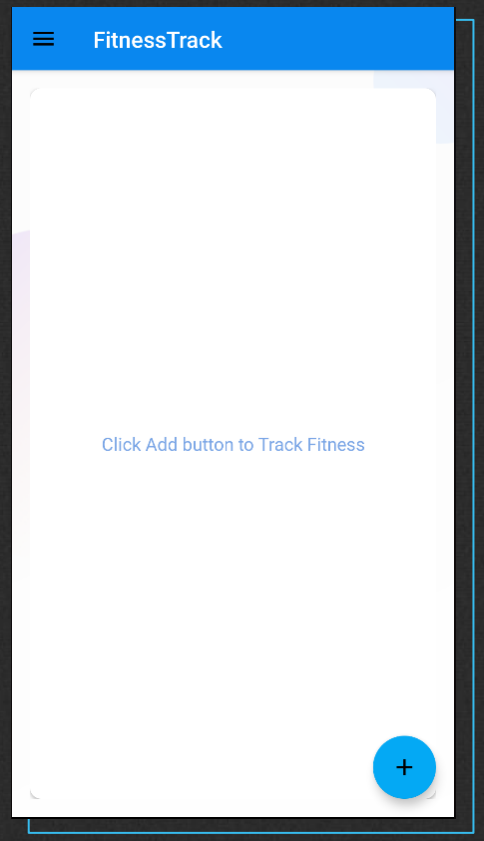
My Profile

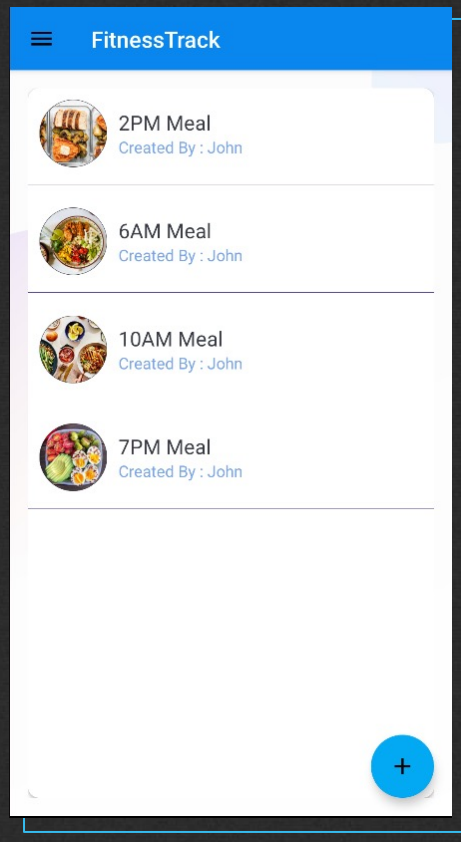


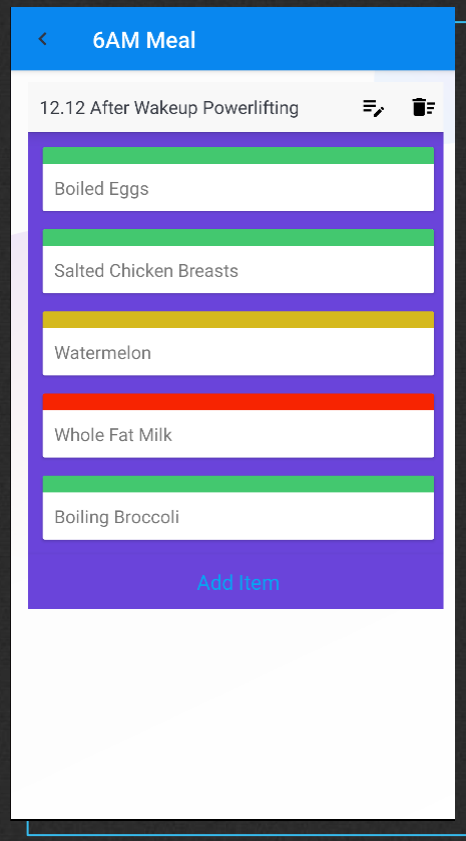


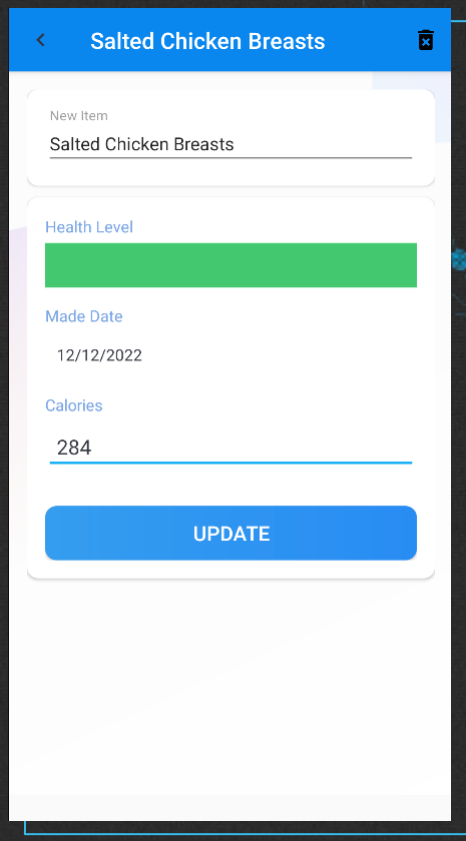
Requirements Implemented

Create Board/ Task List



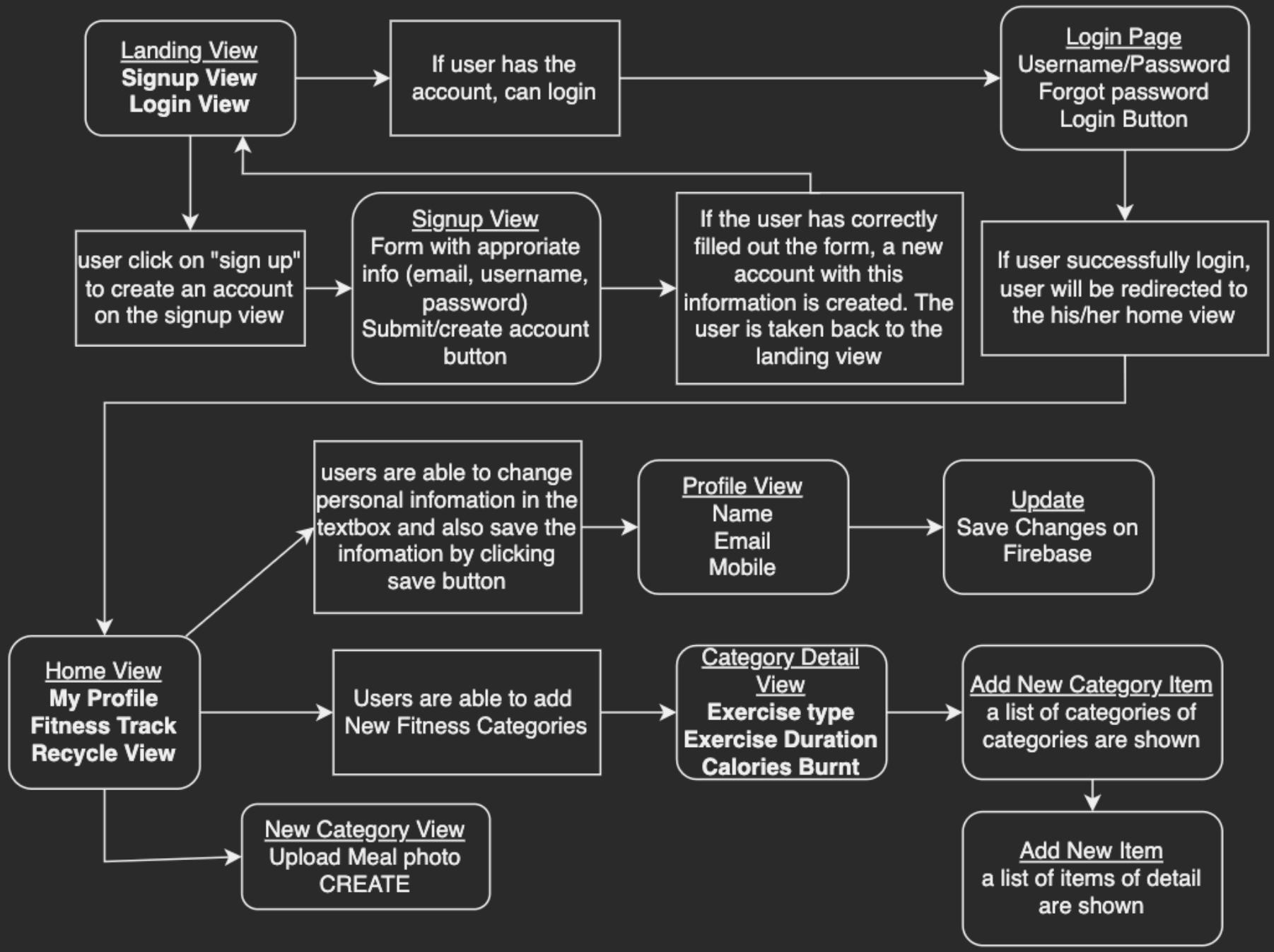


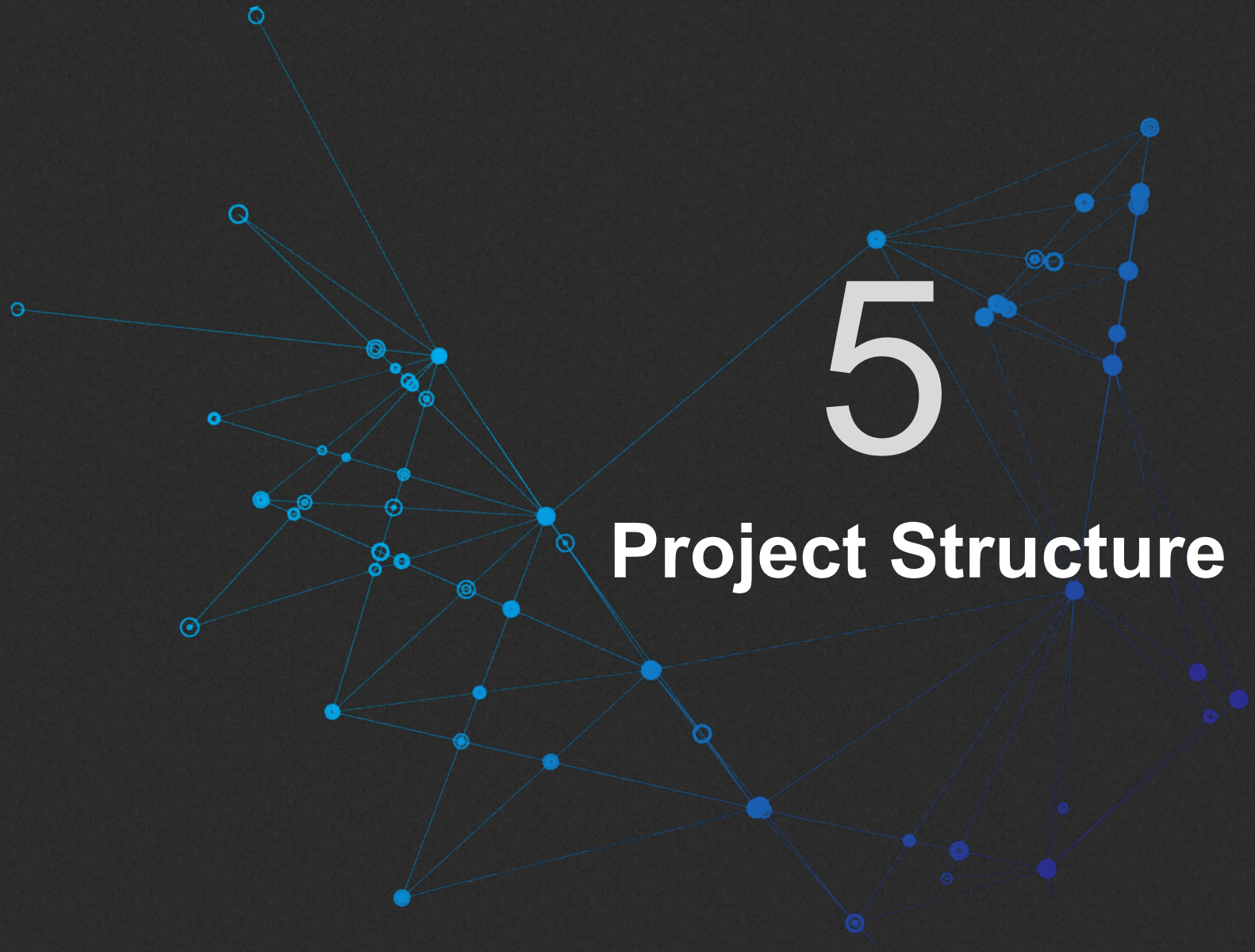




4

Demo

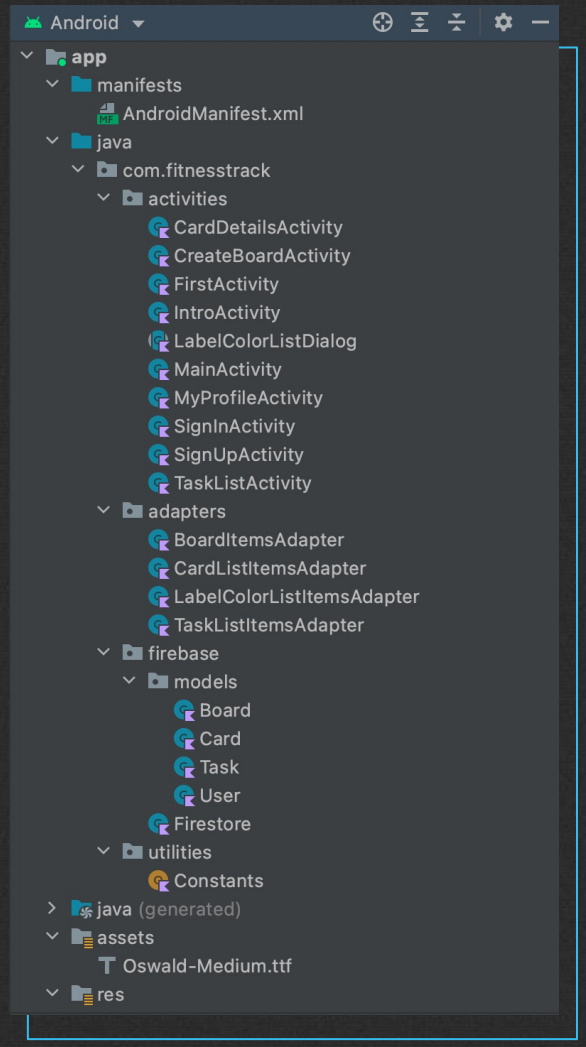

Landing View
Signup View
Login View
If user has the account, can login
Login Page
Username/Password
Forgot password
Login Button
user click on "sign up" to create an account on the signup view
Signup View
Form with approriate info (email, username, password)
Submit/create account button
If the user has correctly filled out the form, a new account with this information is created. The user is taken back to the landing view
If user successfully login, user will be redirected to the his/her home view
users are able to change personal infomation in the textbox and also save the infomation by clicking save button
Profile View
Name
Email
Mobile
Update
Save Changes on Firebase
Home View
My Profile
Fitness Track
Recycle View
Users are able to add New Fitness Categories
Category Detail View
Exercise type
Exercise Duration
Calories Burnt
Add New Category Item
a list of categories of categories are shown
New Category View
Upload Meal photo
CREATE
Add New Item
a list of items of detail are shown

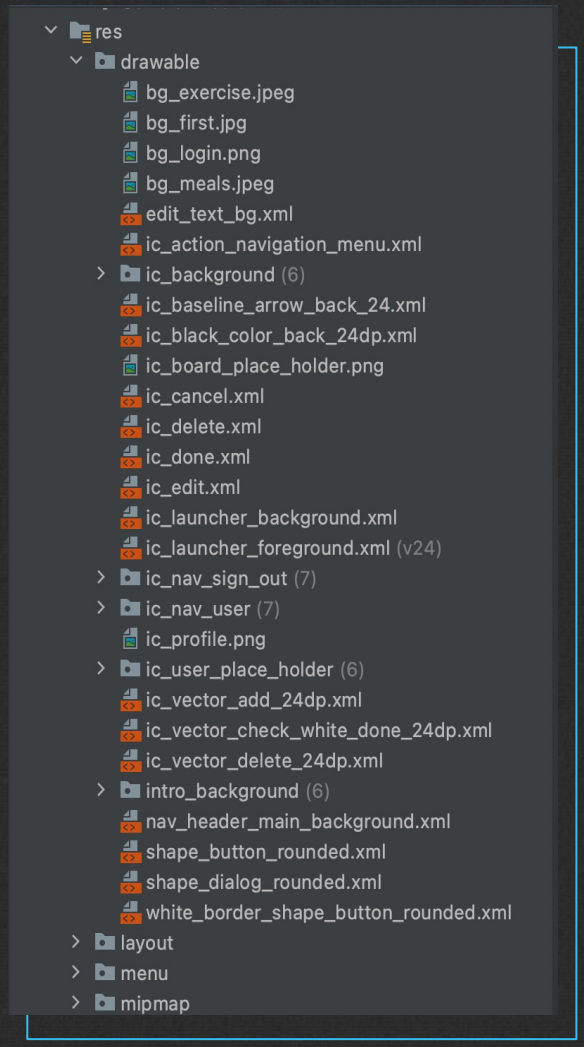


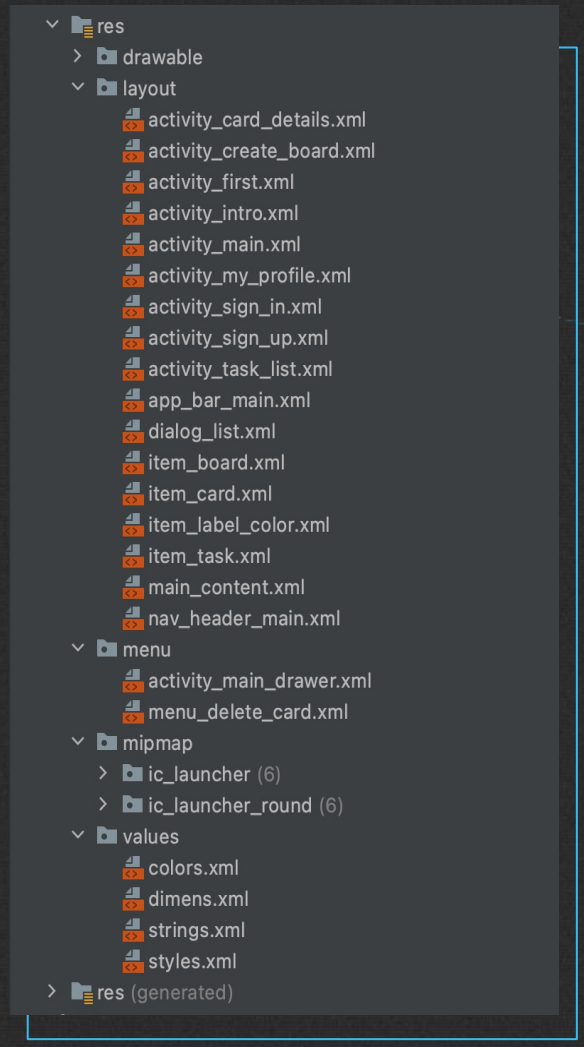
5

Project Structure

Project Structure







6

Android Features

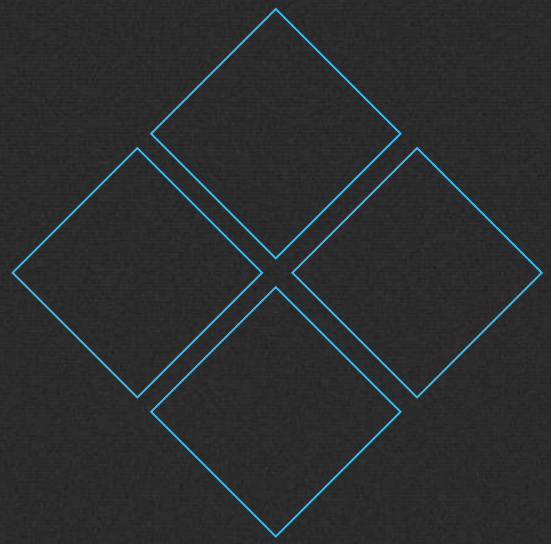
Android Features

Server Side

Authentication

FireStore Database

FireStorage



Special Widgets

RecyclerView, Toolbar,

AppCompatEditText, CircleImageView,

NavigationView

Permission

android.permission.INTERNET

android.permission.ACCESS_NETWORK_STATE

android.permission.READ_EXTERNAL_STORAGE

API

Glide