Project Report

Politechnika Wroclawska

Mobile And Multimedia

Gerard Burgués Llavall

Bernat Puig Font

Structure of the code

We based our code in various views related to our mockup previously presented and additional screens as login, registration, and exercise timer.

We can see in the repository that there are 2 different types of files:

1. Views: Are those that show in the mobile the functionalities (Login, Start Workout, List of exercise, etc). Instead of creating a controller, we opted add the functionalities in functions that can be found in view files.
   Functionalities like:
   - Verification of the email and password
   - Timer in starting work out
   - Registration finding errors
2. Models: Are those related to the database: How we fetch the data, struct of the data.

Model

FireStore

We use a firebase named FireStore where it let us save our clean data (Exercises). Each exercise has an Id, Description, Difficulty, Image name and name.

These elements are extracted in the model and used in the views that will be shown in the mobile.

Images

Images are saved in a folder named: "Assets.xcassets". Each image has a name which appears in the firebase. This folder let us use these images that has the same name.

Authentication

Usage of Authentication in firebase environment has helped us to be able to add login and registration into our application. Creating specific functions in our Views we have been able to set properly our code.

Screens

Login and Registration

< Back

Log in to your account

Email

Password 👁

Re-enter 👁

Registration not success

Register

Log in to your account

Email

Password 👁
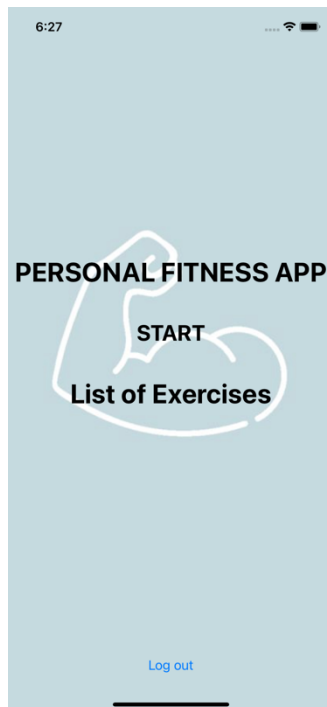
Click twice

We use Firebase for authentication of the user. We must take into account that we will have to click twice to register and to log in. In case of one click and not passing to follow screen will mean that that the password or email are wrong.
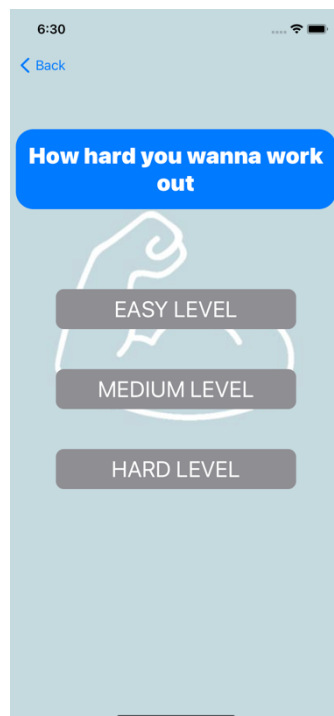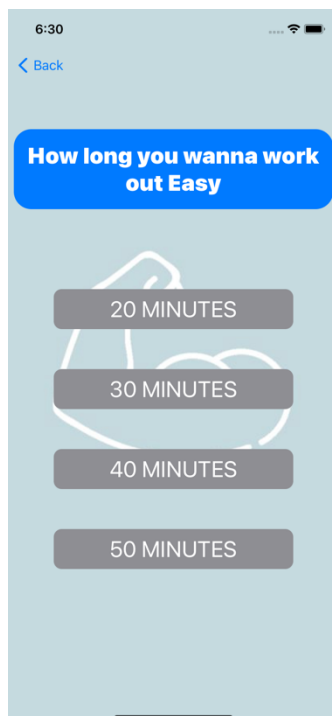
Main

These screens will give us 3 choices.

1. Log out and leave your account. You will have to log in again to use the application.
2. Start. These will take you to the type of work out you want to do. (EASY, MEDIUM, HARD).
3. List of exercise. Will show all exercises that are in firebase.

Levels and time

Here we will choose what type of work out we are going to do. Each work out will be different and adapted to the work out you want to do.

Starting work out
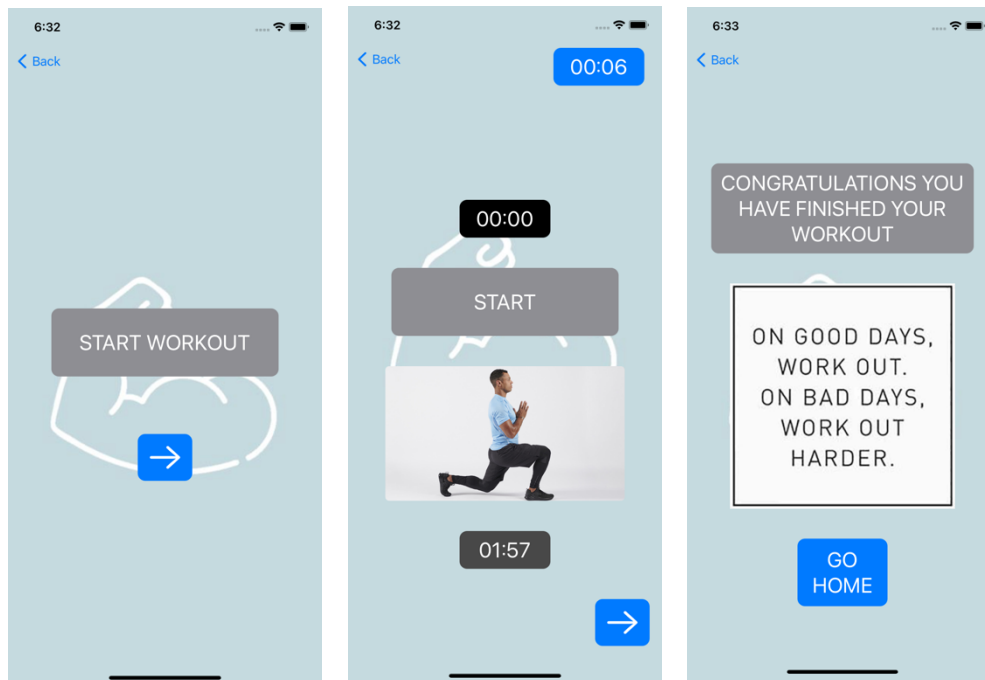
The first screen will take us to the start of your work out. Once there will appear the first exercise and click start. Once the lower timer hit 00:00 the user will have to click to the blue arrow for next exercise. The timer in the middle is the "rest time", when that timer hits 00:00 the user will click start to do the next exercise will appear in the screen.

On top right of the screen there is a timer of the time you have been working out. At the end of the workout will appear an image telling you how hard you have worked out and motivate you to keep going.

List of Exercise
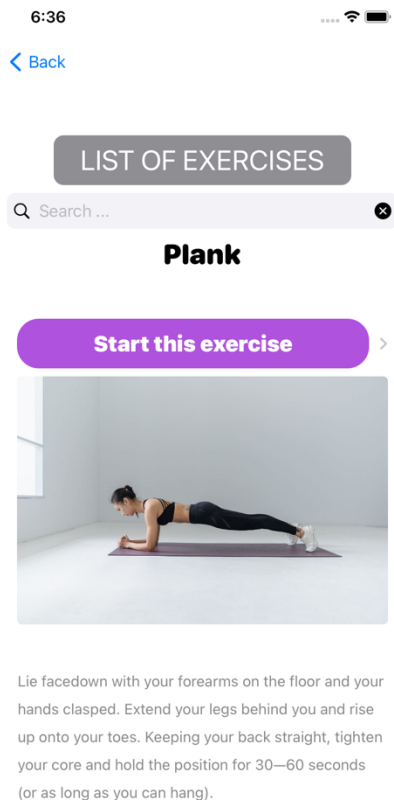
Here will appear a list of all exercise and a search bar where you can add any exercise. This will facilitate the user to search the exercise he/she is interested in. Furthermore, an explanation will help the user perfect the exercise to not do any wrong movement.

Once we click the purple button will show the following screen:
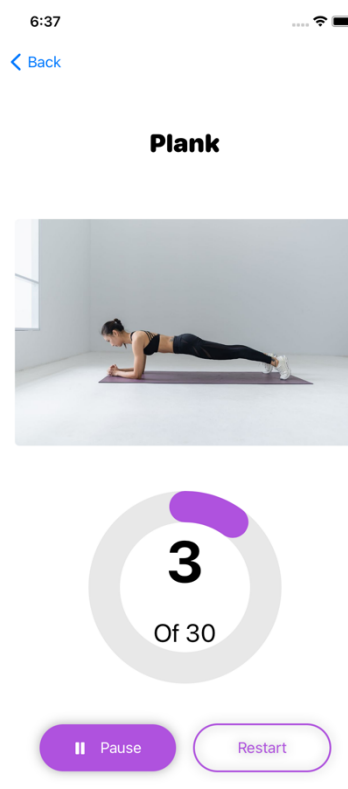
Start exercise

With a timer of 30" the user will be able to work out a specific exercise, restart the time and pause the timer.

He can do this for any exercise.