

The screenshot shows a GitHub repository page. At the top, there's a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. Below the navigation bar are three small icons: a eye icon, a person icon, and a star icon. Underneath these are statistics: 0 stars, 0 forks, 1 watching, 1 Branch, 6 Tags, and Activity. A note indicates it's a Private repository. The main content area is currently empty.

		Go to file	t	Go to file	+	Add file	Code	...
	GuillermoCarrascoRoncero	Update README.md	96ceead · 5 minutes ago					
	android	v. Final	4 days ago					
	assets	v. Final	4 days ago					
	build	v. Final	4 days ago					
	ios	v. Final	4 days ago					
	lib	v. Final	4 days ago					
	linux	v2. GPS, logging, pop-up messages, widgets, ...	2 months ago					
	macos	v5. FB database, Ranking, Running session and...	last month					
	test	v2. GPS, logging, pop-up messages, widgets, ...	2 months ago					
	web	v2. GPS, logging, pop-up messages, widgets, ...	2 months ago					
	windows	v5. FB database, Ranking, Running session and...	last month					
	.DS_Store	v5. FB database, Ranking, Running session and...	last month					
	README.md	Update README.md	5 minutes ago					
	analysis_options.yaml	v2. GPS, logging, pop-up messages, widgets, ...	2 months ago					
	firebase.json	v4. OSM list markers and Firebase Auth	last month					
	helloworldflutter.iml	v. Final	4 days ago					
	myapp.iml	v1. Menu Drawer and project improvement	2 months ago					
	pubspec.lock	v. Final	4 days ago					
	pubspec.yaml	v. Final	4 days ago					

README



MADRunningFlutter

Workspace

Github:

- Repository: <https://github.com/GuillermoCarrascoRoncero/MADRunningFlutter>
- Releases: <https://github.com/GuillermoCarrascoRoncero/MADRunningFlutter/releases>

Workspace: <https://upm365.sharepoint.com/sites/mobileappdev>

Description

This application has been developed to assist individuals with their exercise routines, particularly focusing on running. MADRunning tracks the user's route, allowing them to visualize it later along with time, distance, and speed data. The app uses OpenStreetMap as its core mapping platform. Route history is stored in the Room database, while personal data, total distance, and time are managed in the Firebase database. The primary aim of this project is to improve the well-being of all users by promoting a healthier lifestyle.

While there are many similar applications addressing this need, MADRunning stands out due to its emphasis on displaying the route directly on the map, offering users a more immersive experience. On the other hand, popular applications in this category often implement a social networking system where users can share routes or their rankings.

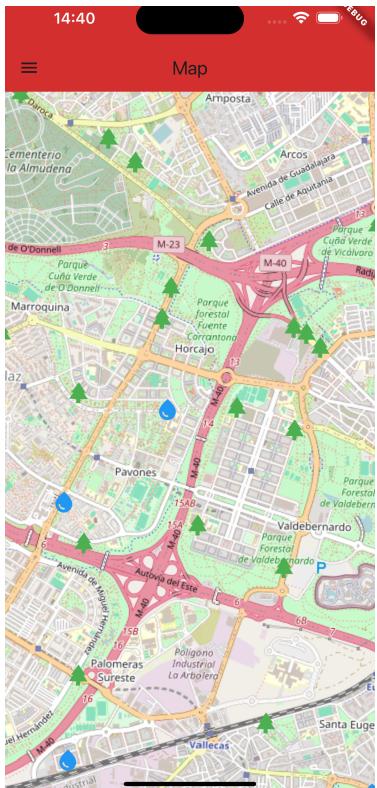
a social networking system where users can share routes or their rankings.

Screenshots and navigation

The image displays four screenshots of the MADRunningFlutter mobile application:

- Home screen of the app:** Shows a red header with the time (14:39) and battery level. Below it, the app name "MADRunning" is displayed. A navigation bar at the bottom includes icons for Map, Start run, History, and Ranking.
- Menu: Navigation Drawer:** A vertical navigation drawer is open from the right side of the screen. It lists several options with corresponding icons: Home, Profile, Map, Today's Activity, Running History, Ranking, About Us, Share, and Log Out.
- Profile screen:** Shows a user profile for "Guillermo Carrasco" (g.carrascor05@gmail.com). It includes a circular profile picture, gender (Male), height (1.82 m), weight (79 kg), total distance (0.08 km), and total duration (00:00:24). There is also a red edit button.
- Weather screen:** Displays weather information for Vicálvaro. The current condition is "CLEAR SKY" with a sun icon. The temperature is 30°C, and there is a wind speed of 5.66m/s. Future forecasts for 03 PM, 06 PM, and 09 PM show temperatures of 30°C, 31°C, and 27°C respectively, with varying levels of cloudiness and humidity.

Profile activity: User data, total duration, and route total distance.



Park and Fountain Marker Map



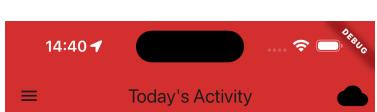
Map, route, and data when you click on a label in the running history

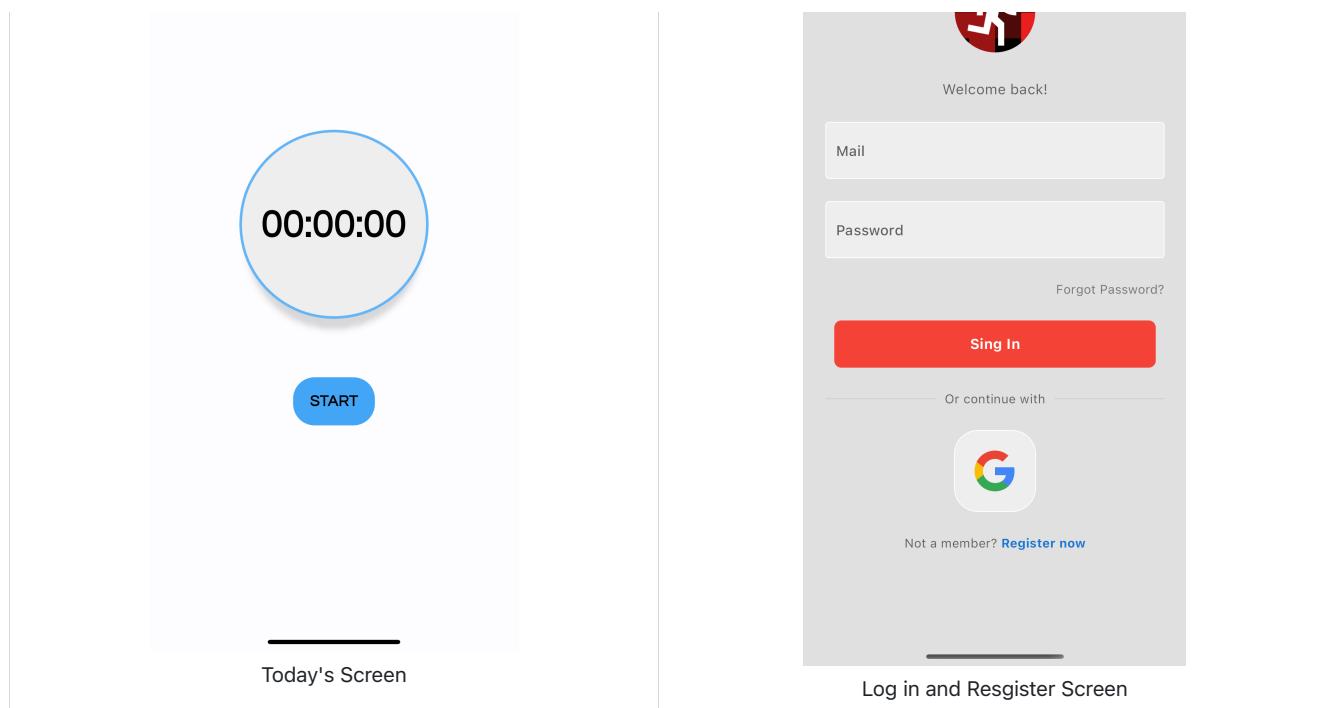
Running History		
Date: 18-05-2024 14:01:53		
Distance:	0.05 km,	Speed: 12.98 km/s
Date: 05-06-2024 14:46:24		
Distance:	1.22 km,	Speed: 14.08 km/s
Date: 05-06-2024 14:51:55		
Distance:	1.64 km,	Speed: 20.71 km/s
Date: 05-06-2024 14:53:19		
Distance:	0.59 km,	Speed: 25.69 km/s
Date: 05-06-2024 14:54:58		
Distance:	0.62 km,	Speed: 22.94 km/s

Running History: History of all routes

Leaderboard		
#1	Constantin Tudurache	6416.47k m
#2	test3	11.64km
#3	test2	8.22km
#4	test4	5.23km
#5	Guillermo Carrasco	4.15km
#6	test	2.87km
#7	tino	0.00km

Leaderboard





Demo Video

Short video demonstrating how the app works and all the features:
[MADRunningFlutter](#)

Features

List the **functional** features of the app:

- Running route tracker.
- Interactive maps.
- Parks and fountains location.
- Real-time weather information.
- Database run history.
- Leaderboard (Collaboration in firebase RTDB)

List the **technical** features of the app:

- Persistence in csv/text file
- Persistence in Room database, to store the running data. (Running History) Ref: [Source code](#)
- Firebase Realtime database, to store user data. Ref: [Source code](#)
- Firebase authentication. Ref: [Source code](#)
- Maps: Openstreetmaps.
- Resful APIs used: OpenStreetMap, Parks and Fountains from Ayuntamiento de Madrid. Ref: [Source code](#)
- Menu: Navigation Drawer. Ref: [Source code](#)
- Images: Lottie.
- Sensors: GPS coordinates.

How to Use

When launching the app, users are directed to the Home Screen. To access all features, they can use the menu or click on the screen containers. The first step is to log in or register using either an email or Google account. Once logged in, users can start a route or view the map. During the route, the app periodically tracks the user's position. Upon finishing the route, all data is saved in the database and can be viewed in the Running History section. Users can also view or delete routes by clicking on them. Also users are capable of look if its any park or fountain on the Map Screen. To be more collaborative, theres a ranking where the user can see his score and compare with other users.

Participants

List of MAD developers:

- Guillermo Carrasco Roncero (guillermo.carrasco.roncero@alumnos.upm.es)
- Orobiyi-Tudurache Gerard-Constantin (gerard-constantin.o@alumnos.upm.es)

Workload distribution between members: (50% / 50%) .



Releases 6

v5 Latest
last month

[+ 5 releases](#)

Packages

No packages published
[Publish your first package](#)

Languages

- Objective-C 81.7%
- Dart 7.8%
- C++ 7.0%
- C 1.7%
- CMake 1.1%
- CSS 0.2%
- Other 0.5%

Suggested workflows

Based on your tech stack

Xcode - Build and Analyze Configure
Build Xcode project using xcdebuild

MSBuild based projects Configure
Build a MSBuild based project.

CMake based, single-platform projects Configure
Build and test a CMake based project on a single-platform.

[More workflows](#) Dismiss suggestions