**Interação Pessoa-Máquina**
**2024/2025**

# CityMix

Stage 4: Functional prototype

**Authors:**

70411, Beatriz Rosas
70500, Renata Henriques
70501, Joana Monteiro
70572, Catarina Pedroso

**Lab class Nº** P2

**Group Nº** 12

**Professor:**
Teresa Romão

November, 2024

The URLs to access our prototype and project are:

- [Mobile application](#);
- [Group website](#);
- [GitHub code](#).

## Startup instructions

There are two ways of testing our app:

First approach (preferred):

1) Download and install the apk file on an Android mobile device;
2) Run the app.

Second approach:

1) Download the code on the link of our GitHub repository;
2) On an IDE (like VSCode) run the following commands on the terminal in the project folder:
   a) npm install expo;
   b) npx expo start;
3) Install "Expo go" on your mobile device;
4) Read the QR Code that appears on the terminal with a phone. If you have an Iphone, read the QR Code using the Camera app. If you have an Android, use the Expo Go app to read it;
5) After that, the CityMix app should appear on your mobile device.

Third approach:

1) Execute the apk on a simulator using for example Android Studio.

In our app there are two types of users: normal users or tour guide users. To test the scenarios with each type of user, the following logins should be used:
- Normal user ("Rita"):
  - Username: rita
  - Password: rita123
- Tour guide user ("João")
  - Username: joao
  - Password: joao123

# Briefing

**CityMix** is an app created to promote tourism and to increase the connection between tourists and locals. Thus, it supports 3 main features: tour guides can promote their work reaching a greater number of people, facilitate the communication between tourists and locals to make them experience the culture of the country in a deeper level, and search for communities of people interested in exploring the city together.

# Scenarios

### Scenario 1 – Create a new tour
You are a tour guide that wants to promote your work on CityMix. After you create your profile and enter the application with "Joao" credentials, add a new tour guide package to your profile that includes visiting "Belém". In the package, add the name "Belém: The Best Sights", an image, the description, activities, languages, the route, available times and the price. After creating it, check if the new tour is listed in your profile.

### Scenario 2 – Chat with Ana
Continuing with João's account, search for available users above 20 years old to visit "Belém" with. Check Ana's profile and her reviews. Then, start a conversation with her and schedule a meet up for December 12th at 2pm during the conversation. Now that Ana accepted it, check your calendar to confirm it's scheduled.

### Scenario 3 – Book a tour
For now on, you are Rita, and you're planning a guided tour to visit "Belém" that includes museum visits and food experiences. Log in to CityMix, and you need to book a tour for December 24th at 4pm and pay for it. Use CityMix to find the best deals under 60€. After you booked the tour, check your calendar to confirm the schedule.

### Scenario 4 – Join a group community
On the map, look for a community created in the "Belém" area, more specifically near the Electricity Museum, check the details of the group and if it seems appealing for you, join them.

Note: to search by communities using the map you need to use the second approach of the startup instructions.

# Tools used

To develop *CityMix* we mainly used *React Native* and *Javascript*. We also relied on *GitHub* as a project management tool for synching our project and Expo Go.

Additionally, we used Android Studio and Visual Studio Code (VS Code) as IDEs for the application development.We also utilized ChatGPT as a resource for coding assistance.

## Not Working

There are some features that we didn't develop or that aren't fully working:

- Chat messages are static pages since they aren't our application main focus but on individual chats you can create and send an invite;
- Messages and Notifications tabs are also static;
- Even though you can sign up, the new account isn't actually created so the user can only login with two accounts (João or Rita);
- "Forgot password" button is only illustrative;
- We intended that, in the user profile, the events would be signalized by a different color in the dates of the calendar, but we didn't get to finalize it. Despite that, it's possible to see the event scheduled below the calendar if you click on the date that you scheduled for;
- The map screen only allows the user to search for communities by clicking on the marked pins. The user can't filter a region by clicking on a map location.

It's only possible to test and interact with the map using the second approach written on the startup instructions since the apk doesn't correctly load the map. The next figures show what should appear when the user clicks on the map on the apk file.