CARBON DIEM

Mobile Calculator for User Daily Movements

| Development service	Business niche	Time spent on the project	Technologies we used
iOS/Android app for collecting info about daily user movements	Wellness and Healthcare, Environmental Protection	350 hours	Swift, Java, Django, Firebase, GooglePlaces, Testing

CHALLENGE

## Nowadays, the problem of insufficient physical activity is relevant.

Even when people need to move from point A to point B, they often choose to travel in their own car. This not only provokes the risk of obesity and diseases associated with a sedentary lifestyle, but also causes serious harm to the environment.

Since the problem of the greenhouse effect and the associated carbon dioxide emissions has been reaching the scale of the entire planet in recent years, we decided that it was time to fight this with the help of mobile software that could optimize the daily movements of users.
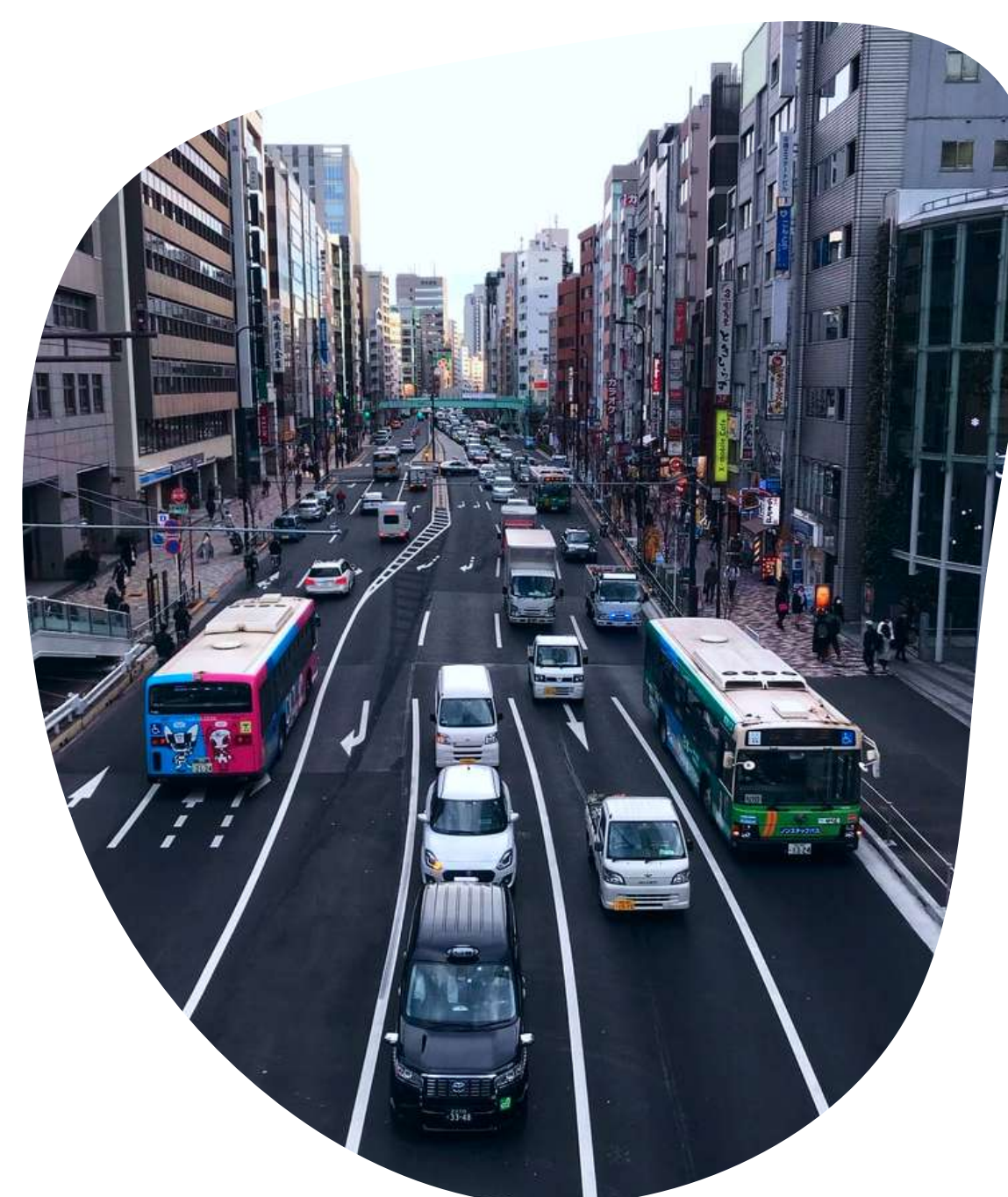
Client/Target audience

The data from the application can be used to develop urban areas, build walking routes based on this, measure the level of CO2 in a certain place and at a certain period of time, plan the location of bike paths and so on.
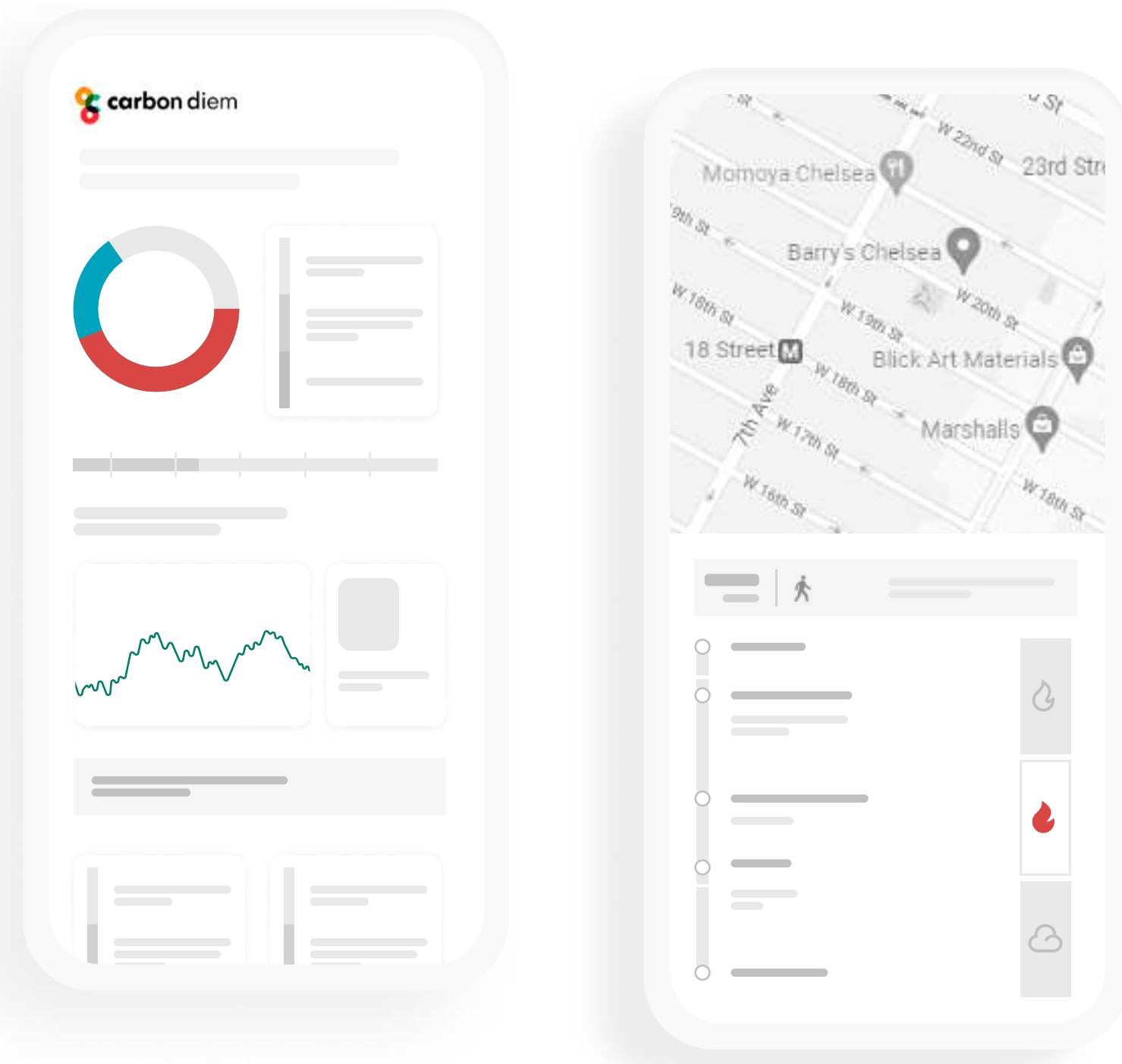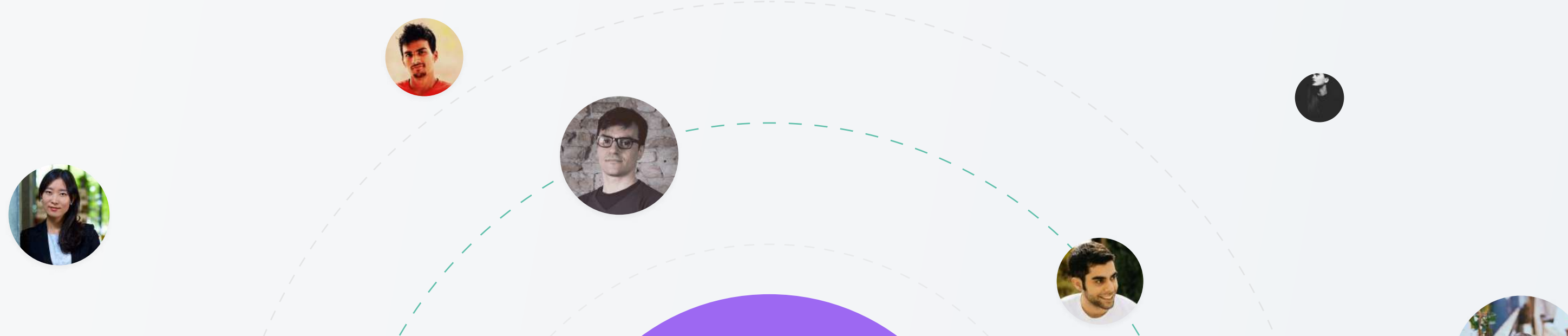
Product overview

There is only one role in the application - the user. After authorizing and opening access to the user's current location, the application begins to track information about his movements: on foot, by bicycle, on public transport, by car (taking into account the design of the internal engine - diesel, gasoline, or electric).

As a result, the application calculates how many calories the user has burned (if he or she walked), or how much the vehicle has emitted during a period of travel.

Our approach

We decided to build a mobile app for iOS and Android platforms. In order to implement this service, we have selected the following tools:

- Swift
- Django
- Java
- Firebase
- Google Places
- Testing
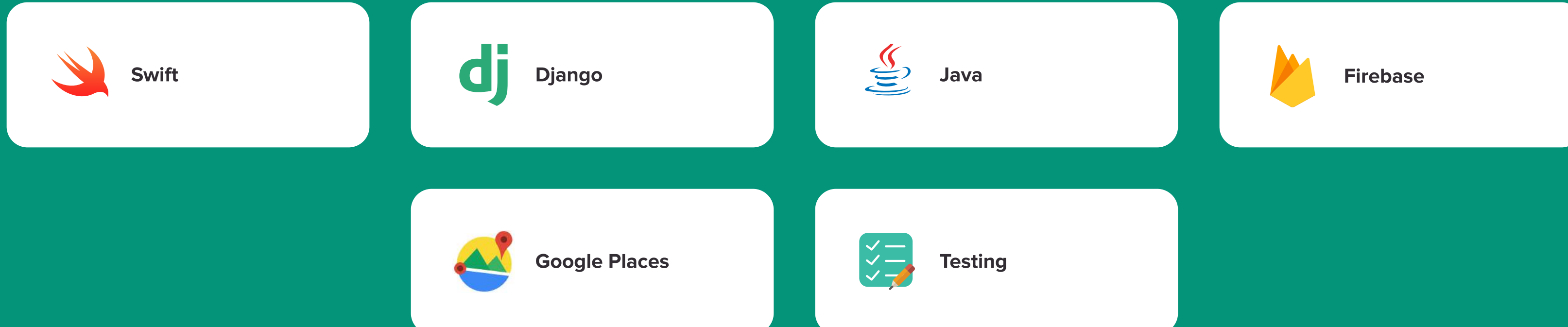
Our development team

Our development team consisted of 6 specialists. Despite the small team, we managed to implement the project within established deadlines.

1 Project manager	**1** QA specialist	
1 Designers	**2** Mobile developers	**1** Back-end developers
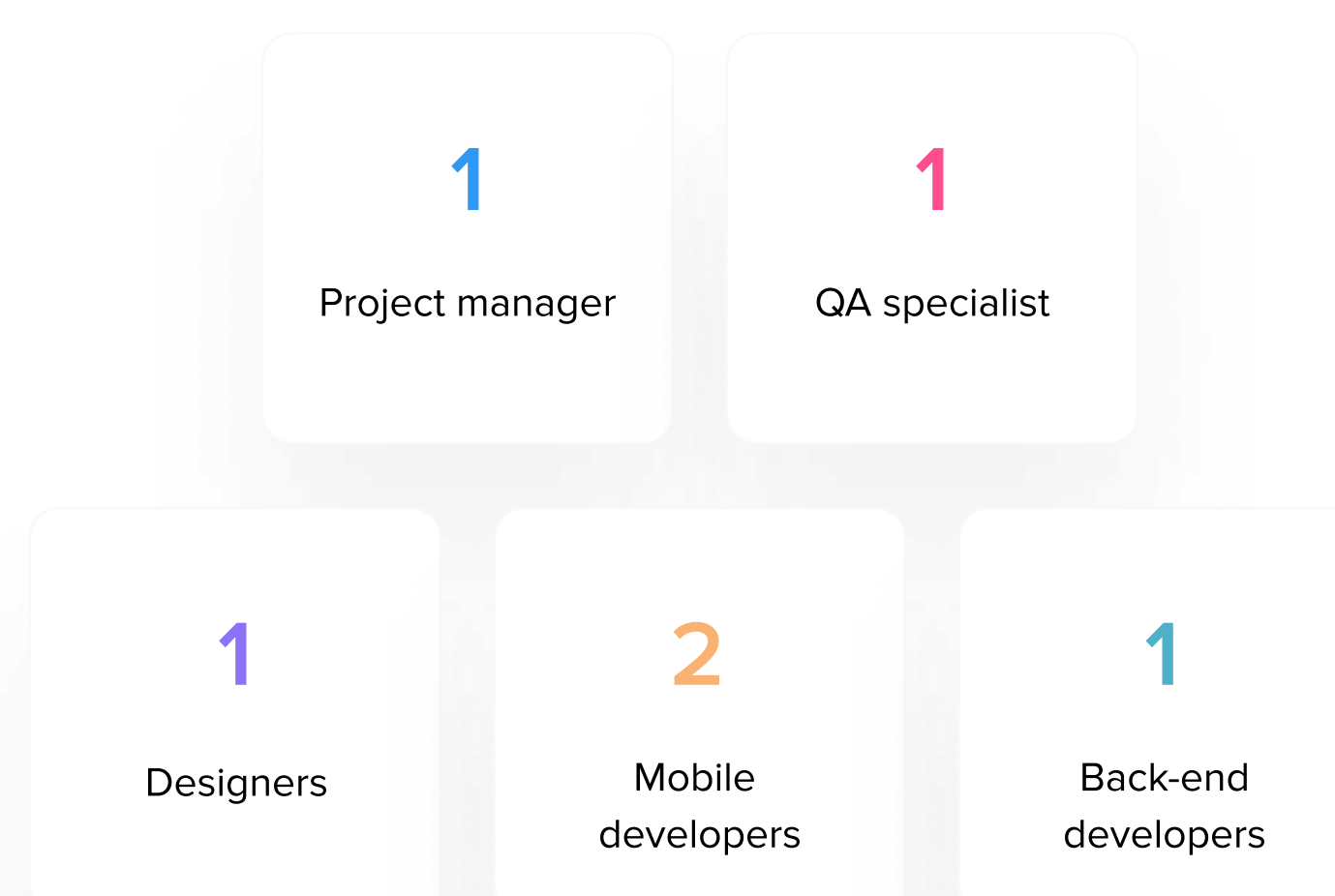
Solution overview

We created a mobile application for iOS and Android to track information about the user's daily movements. The solution is bilingual: the interface is presented in German and English.
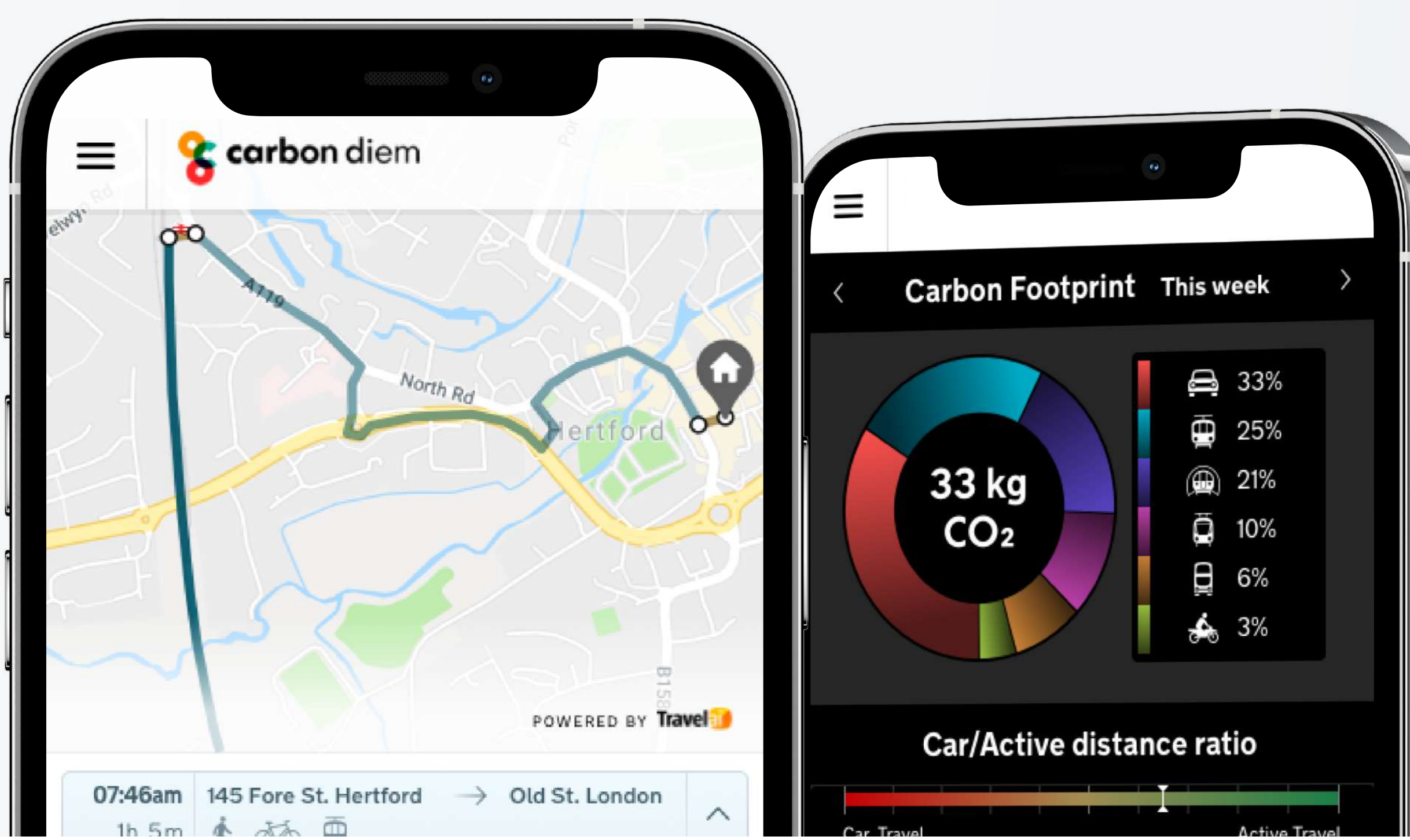
The app continues to be improved and optimized and its functionality will expand more and over time.

PM at Owalab   Ivan Selivanov

Features for common user:

- The user has a personal account to fill in anthropometric and vehicle data;
- Receives statistics in the form of diagrams and charts for different periods of time (day / week / month / year);
- The ability to track a specific type of movement (physical activity or a trip with a vehicle), as well as the number of calories burned or CO2 emitted;
- The app is motivating the user to use an electric vehicle and to spend more time walking on foot.
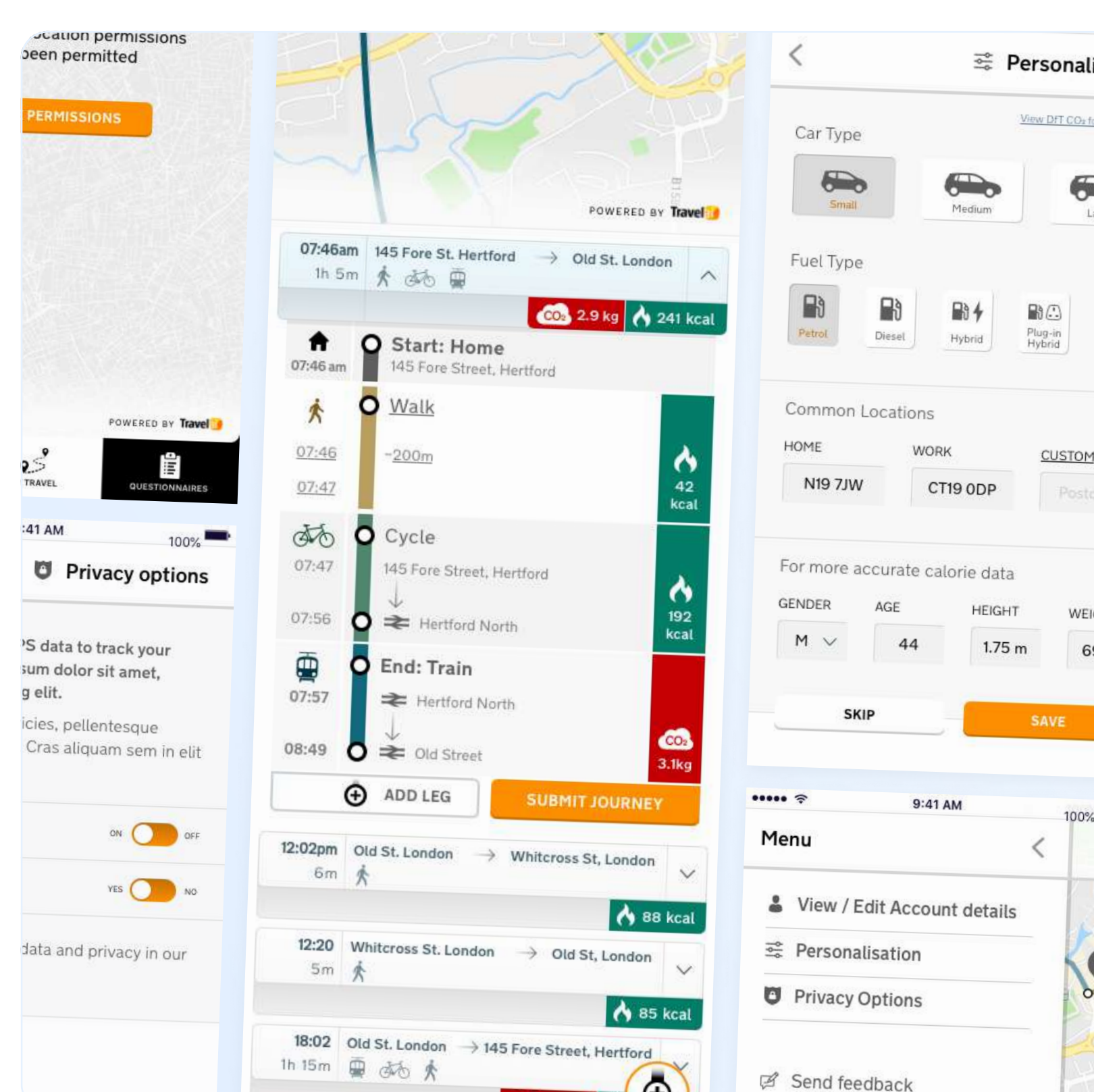
Thanks for watching!

Talk to us and get your project start

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