

Technical documentation
Acc_DreamTeam

Pomocny Sasiad



1. Overview

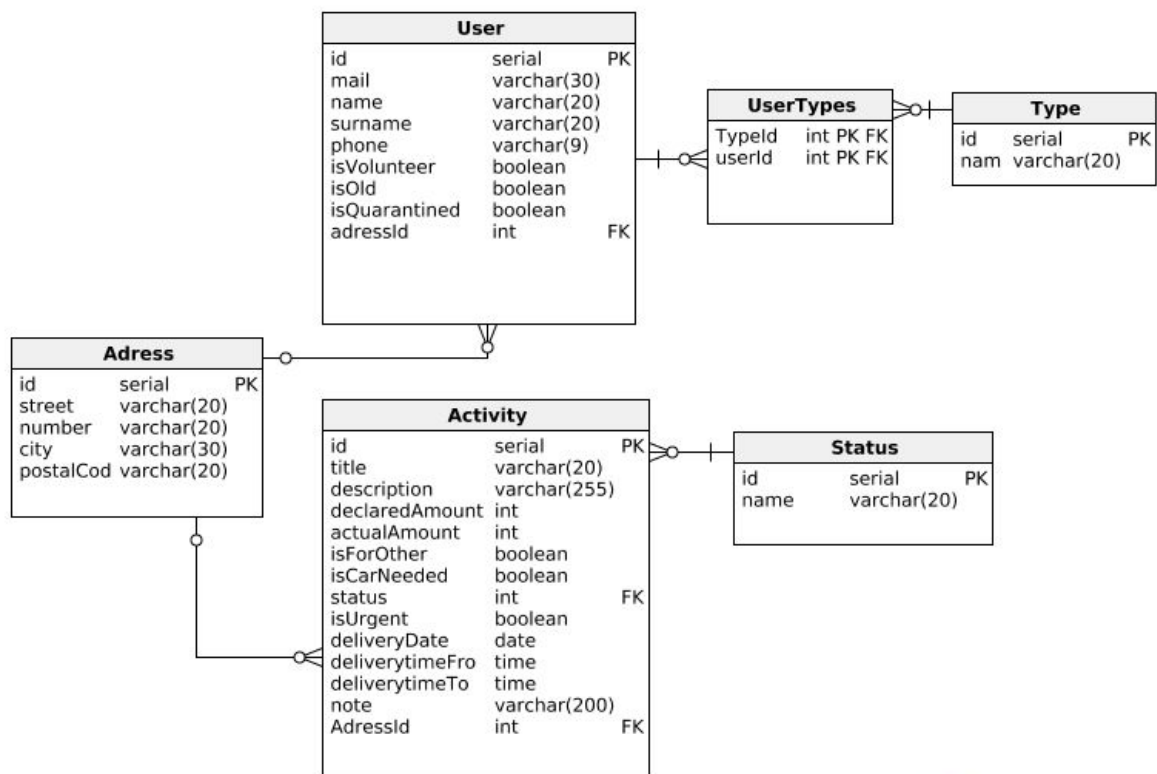
“Helpful Neighbour” is a mobile application for the global market in times of the COVID-19 epidemic crisis. It’s main goal is to connect those who need help with their daily tasks, with their friendly neighbours who are able, and willing to provide help.

2. Technology used

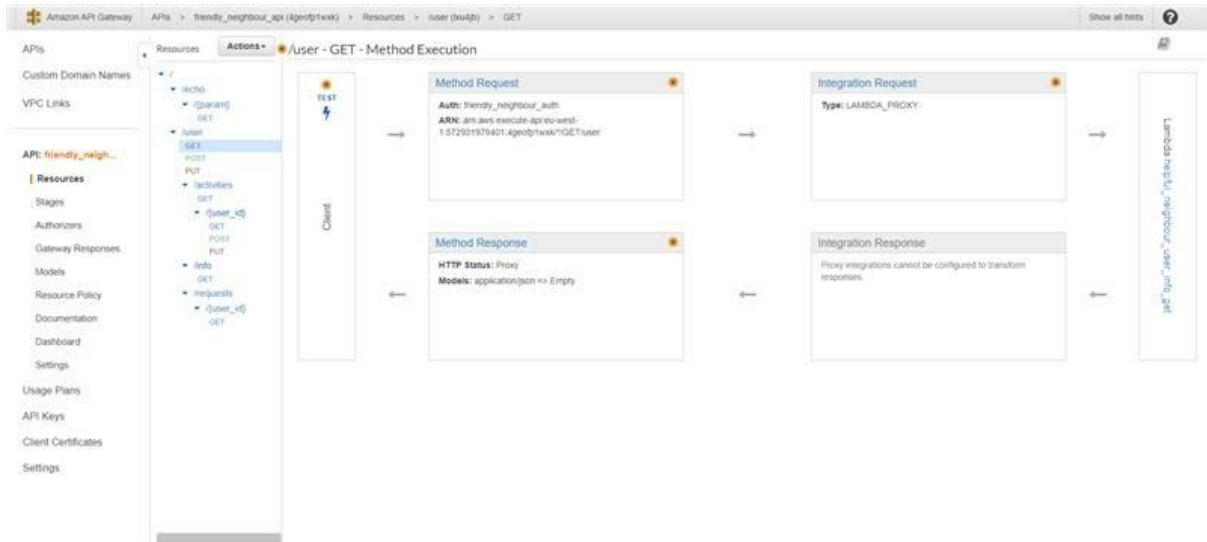
For a mobile app perspective, we created two separate apps for iOS and Android. For iOS we used Swift programming language connected with SwiftUI and Combine library. In term of Android we used Kotlin programming language with Coroutine support. Both apps use MVVM (Model-View-ViewModel) approach as a main architecture.

As a API cloud solution we are using RDS, Cognito, Api Gateways, Lambdas, CloudFormation

3. Database schema :



4. AWS



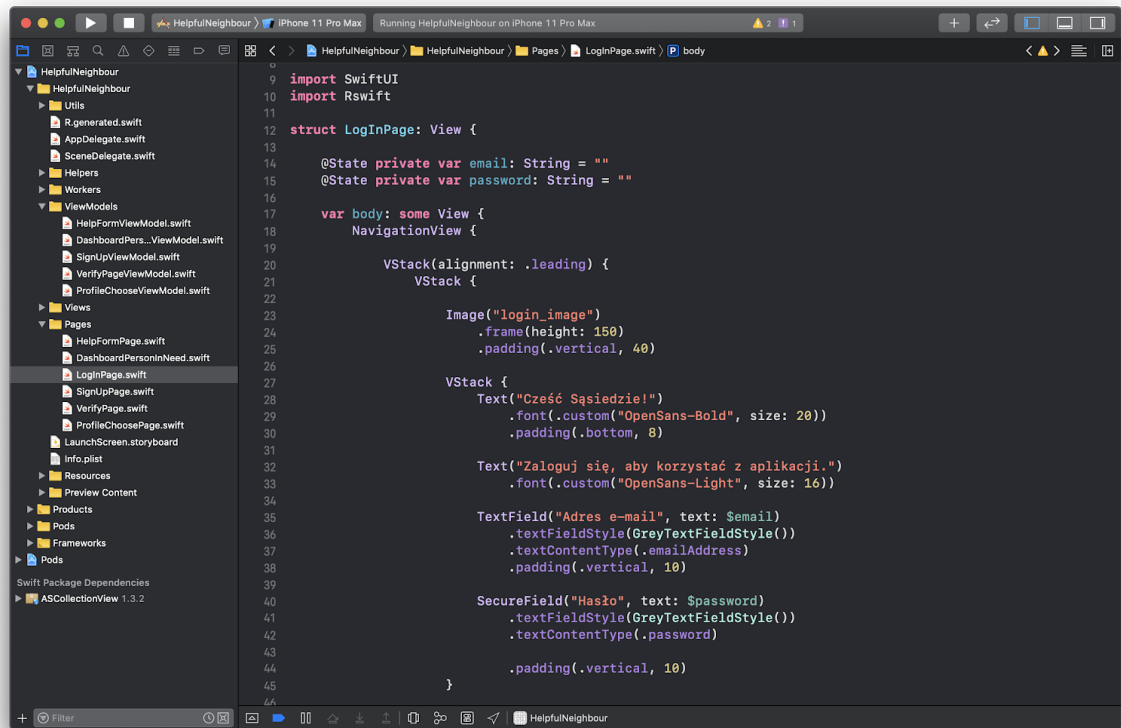
As a login system we used the Cognito component, due to the fact of easy implementation for mobile platforms. For communication between mobile app and the cloud we decided to use REST API supported by JSON response.

We managed to finish with BE:

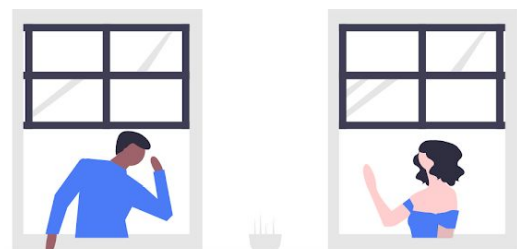
- user registration
- authorization of the user for each request
- reading, adding and editing user data
- reading, adding and editing user "help" 80%
- reading of all activities (90%)

5. iOS app

the iOS app was made in Xcode IDE.



7:37



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Zaloguj się

lub

Google login

Facebook login

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In terms of finalizing the project below components are finished as below:

Search - 0%

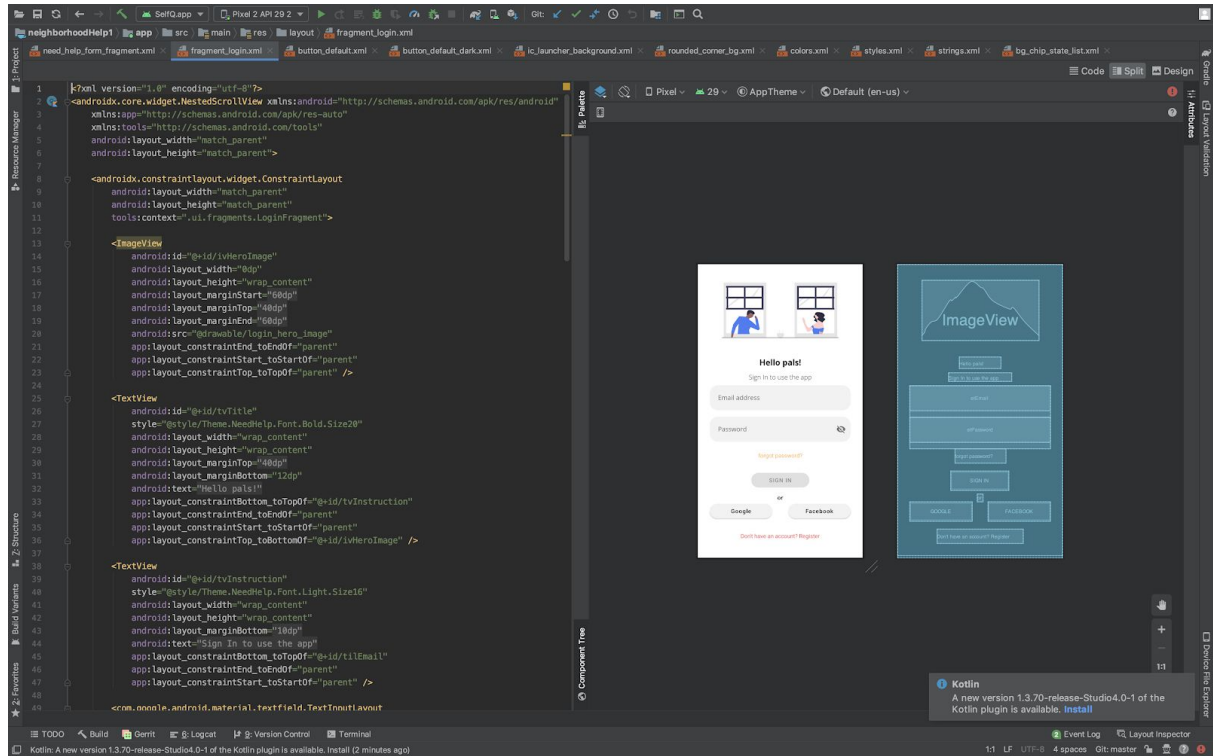
Help service - 0%

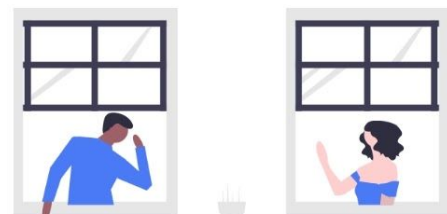
Addition of help - 40%

Registration and onboarding - 35%

6. Android app

The Android app was made in Android Studio IDE.





Cześć Sąsiedzie!

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In terms of finalizing the project below components are finished as below:

Search - 0%

Help service - 0%

Addition of help - 70%

Registration and onboarding - 75%

Login - 100%

7. UX/UI

For UX/UI we used Zeplin to share the design across the developers.

