Bi-Weekly Report: NeuroResponse

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Overview

Past two weeks were mainly focused on the development of iOS app and the server. The Android app was done, and we started implementing similar features on the iOS platform. We also started working on the RESTful API server using Django. After two weeks of work, we've made significant progress on the server-side development. The REST Client front-end for the API is under construction as well. For the coming two weeks, we will work on finishing the server and the front-end for the API.

We carried out a meeting within the group to discuss the server-side development of the apps.

Meetings

9th of January 2018

In this group meeting, we discussed issues relating to server and database. This includes how tokens will be generated from and API and how they will be used in the mobile apps, how data will be encrypted will send them to the database. Also, we decided to build a web-based REST Client front-end to add extra convenience to the users.

Achievements

1. Finished development of Android app.
2. Made decision on the backend solution of the app
3. Developed backend-structure of the server.

Problems to solve

1. Try to deploy a prototype of the back-end.
2. Think about security of the data transmission and storage
3. Fixing minor bugs with UI and possible bugs coming with the backend integration

Our plan for the next 2 weeks

1. Start developing iOS app.
2. Test the backend and its integration with iOS and Android apps

Individual Reports

Sanzhar Aitimov

Created settings for notifications, now user can set ringtone, switch vibration on and off, as well as setting notification indicator color on supported devices. Started preparing app to send data to the API. Made first tests on sending data to the API. Started working on login activity for Android app.

Miquel Rigo

I've completed the authentication for the backend, now a user the first time authenticates with the system, they receive a token which is going to be stored locally in the mobile. Then, for any request that comes from the mobile clients, it will need the token to be authenticated.

I've also added user permissions, therefore, let's say that one of our patients gets hacked, even with the token, they will only be able to record new symptoms or side effects, but not visualise any from anyone else. Same for clinicians, they can only register new patients, but not visalise info from the patients (for now).

Elvinia Cui

During the past two weeks, I was working through tutorials on the construction of RESTful web services. We to build a REST Client web page for the doctors and clinicians to use and web page should integrate with the API. I started to implement it using PHP, and the development will be finished for testing within next two weeks.