

Circles

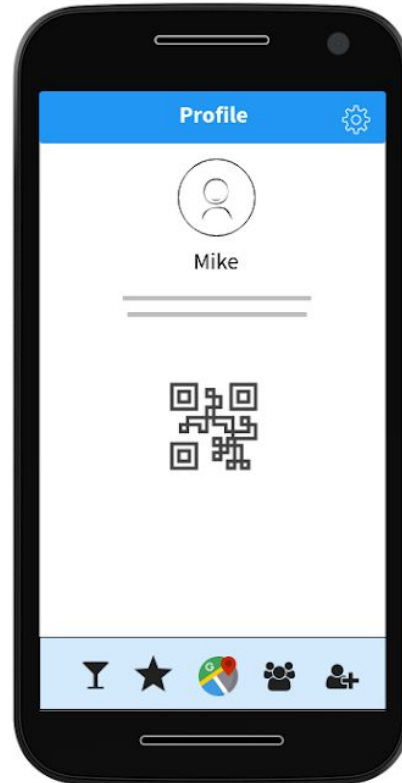
Application Development for Mobile and Ubiquitous Computing

Dresden, November 2nd 2018

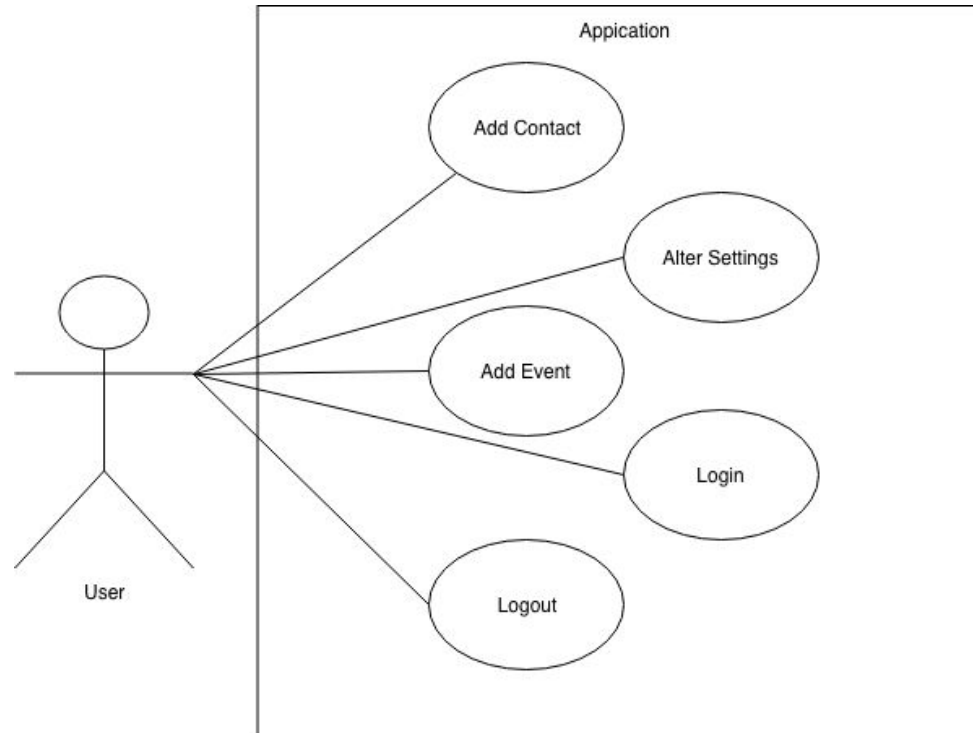
Adriano Batista
Maria Beatriz Moreira

Idea

- Add contact information using QR code
- Personalize what you want to share (eg. phone number, address, facebook page...)
- See all the events near you

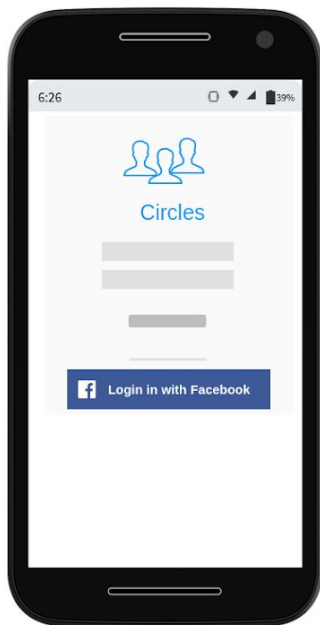


Use Case

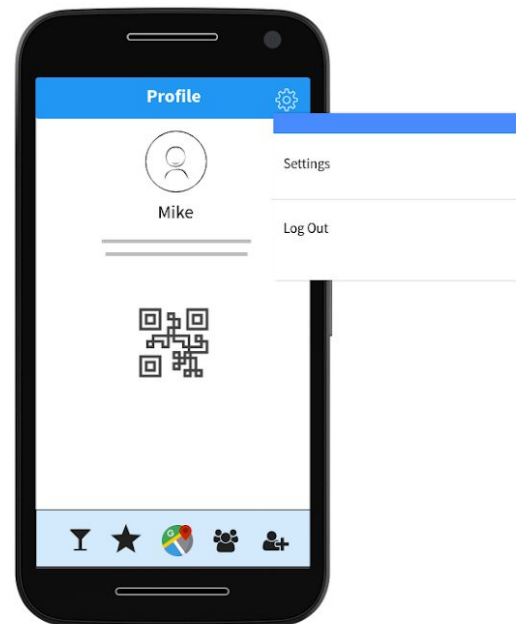


Mockups

Login

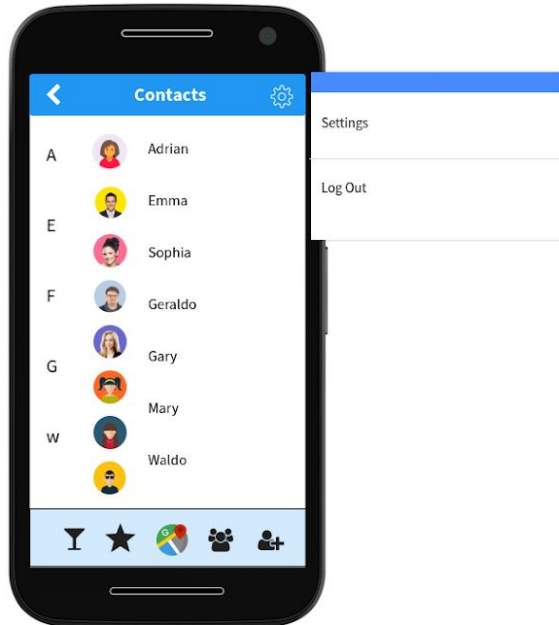


Homepage

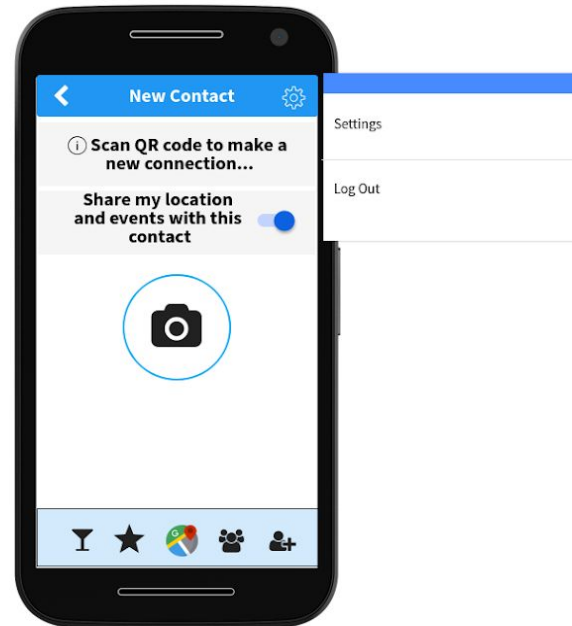


Mockups

All Contacts

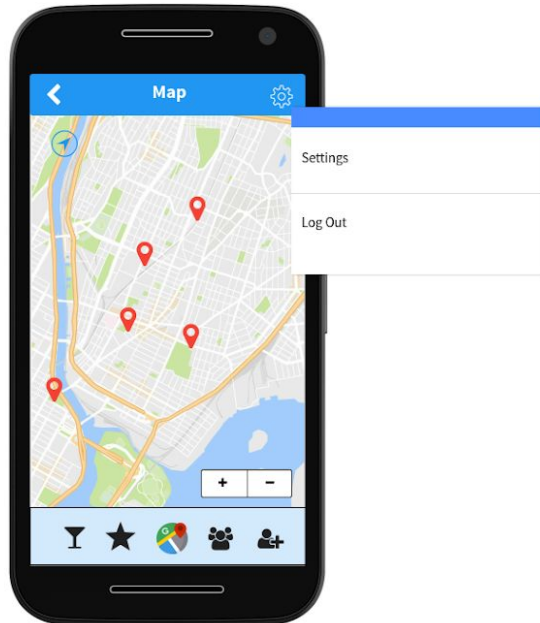


Add Contact

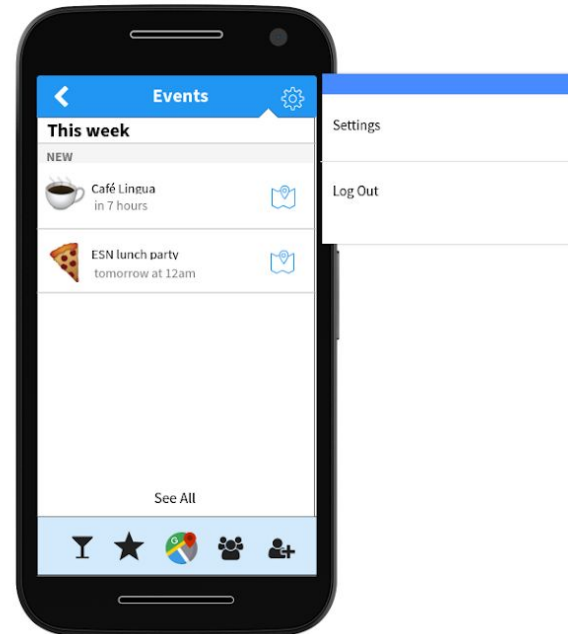


Mockups

Map of Events

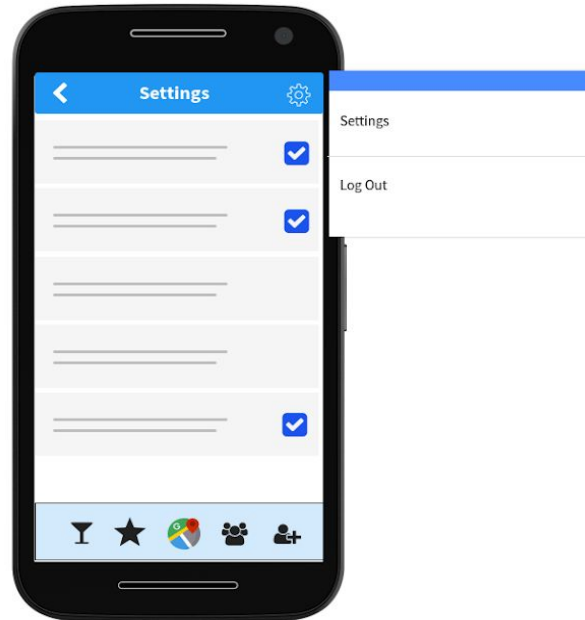


List of Events



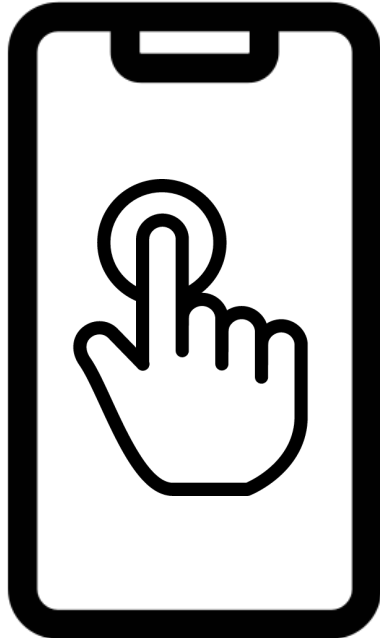
Mockups

Settings

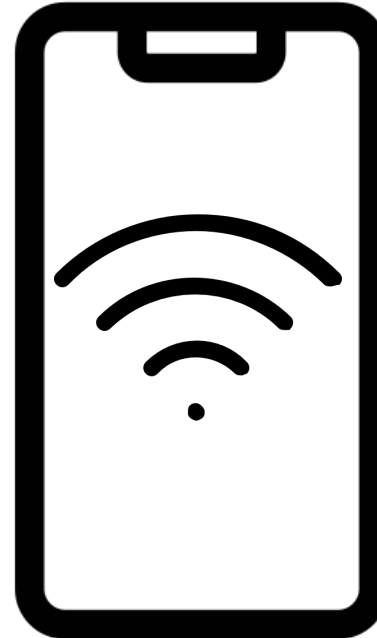


Challenges

Usability



Connectivity



Technologies

We chose the MERN stack:

FRONTEND

- React Native / Redux

BACKEND

- Node.js / Express
- MongoDB

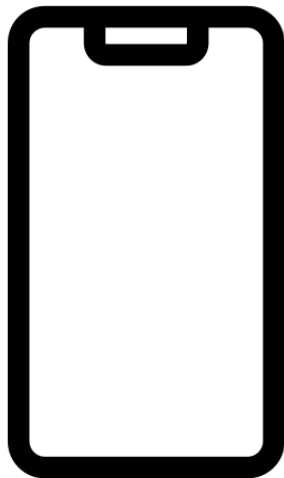
CLIENT

- Facebook API
- Google Maps API / OpenStreetMap API
- GPS location functionalities

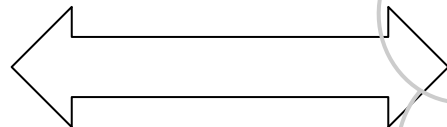
Architecture

 **React Native**

 **Redux**



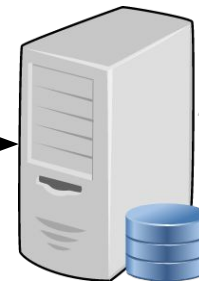
{ REST }



 **HEROKU**

 **node.js**
express

 **mongoDB**



Work Plan

10.2018 - Explore the Idea

- Choose Technologies and Platform
- Create Use cases
- Design mockups

02.11.2018 - First Presentation

November

- Discuss the server modeling (e.g. methods and database modeling)
- Backend development

07.12.2018 - Submit Adaption Concept Presentation

December

- Frontend development
- First functional prototype

January

- Testing and bug fixes
- Final version

31.01.2019 - Submit Final Presentation