MobServ Challenge Project 2017

Event Organizer for Android

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1 Application Description

The event organizer (name TBD) is an Android app to facilitate creating events and inviting people. The core of the application, namely organizing an event, can be used in two different modes:

1. Planned event
2. Spontaneous event

For both modes, the user creates an event (including a start and end time, location, type of event and eventually a name). In the planned event mode, the user can invite specific people (friends) while for the spontaneous event, it is also possible to send an invitation to people which are close to the user's current location. Like this, he is able to spontaneously gather people based on their location.

Apart from this, all people joining an event should be able to share pictures of the event in the app and influence the event's outcome e.g. by voting for music on a party. Also, a chatroom should be available to communicate with the people before or after the event.

For all kinds of events, the organizing person can add a list of required material (e.g. drinks or food) so that the guests can register to bring some of the material and thus easing the organization.

Finally, every user invited to an event is provided additional information like the weather forecast for outdoor events and whether he is available on the date when the event is scheduled.

2 Features

The features of our event organization app include

- Create an event (e.g. party, sports, hiking, lunch, ...)
  - Invite friends
  - Invite people in a close area. I.e., the user can specify a radius to invite people and the people are notified if they are interested in this kind of events
- Chatroom for event
- Enable music organization/voting during the event
- Share pictures of the event
- Who brings what?
- Get some additional information for the event
  - Weather forecast for outdoor events
  - Check if timeslot is free in your calendar
- Share the event in other networks e.g. on facebook

We therefore plan to use Google API (maps), firebase database to provide a real time database, and OpenWeatherMap API to retrieve the weather forecast.

3 Team

The team consists of two people:

- Berkay Köksal: Core developer + UI
- Alexander Küchler: Core developer + UI