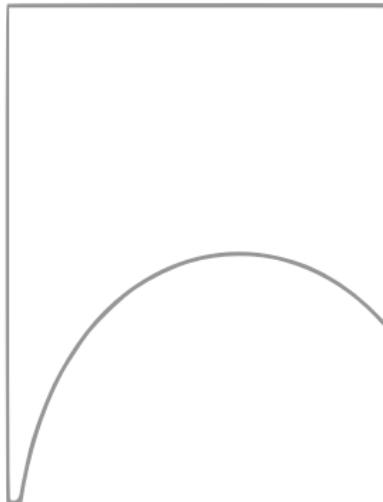




LMS Projekt

MARIA DAVIDOVSKAYA
MOSTAFA MASUD

WS 2017/2018



Abstract

The LMS is an android application that could be used to schedule meetings or events for a group of people. It's also provided a group or one to one chat. It helps a group of people to communicate with each other. The app also helps the user to view the event location in Google Maps inside the application itself.

Tool components

- Development environment:Android Studio
- View:xml File
- Program language:java
- Google maps api
- Google places api
- Firebase authentication
- Firebase database
- Firebase storage

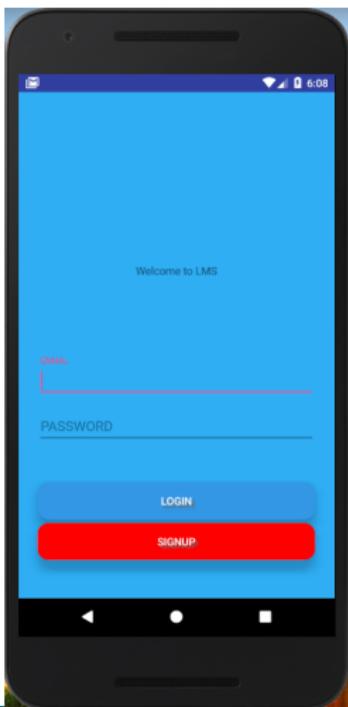
How to run the Program

- You need to connect to Firebase and Google Maps

Functionality and Screenshots

- Start Activity
- This is the main activity when the app loads.
- The user can login with his existing account or a new user can create a new account with unique E-Mail, using signup button.
- If user already logged in it redirect to Home activity.
- Java Class: StartActivity
- XML Layout: activity-start.xml

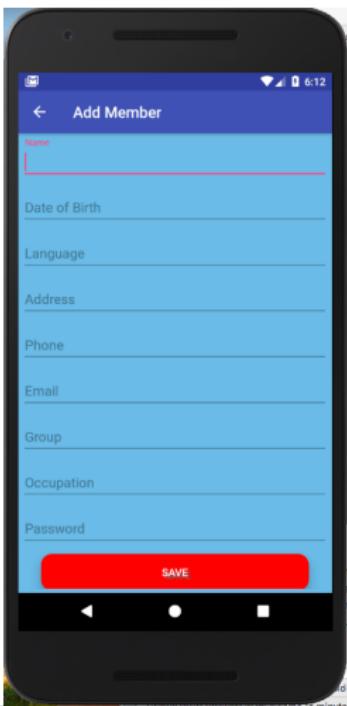
Functionality and Screenshots



Functionality and Screenshots

- SignUp Activity
- This activity loads when user clicks the Signup button in the Start activity.
- The user register a new account by entering the details.
Validations for all the fields is done.
- Java Class: SignUp.java
- XML Layout: activity-sign-up.xml

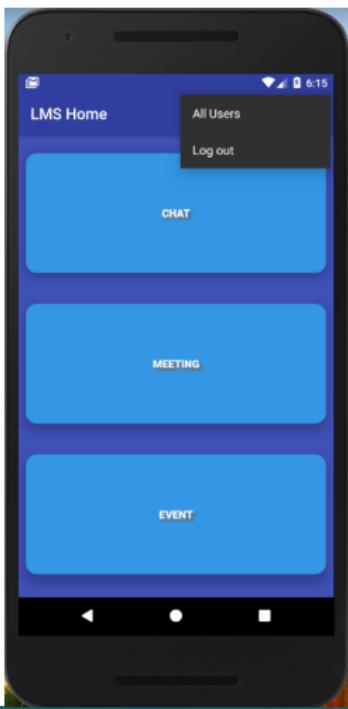
Functionality and Screenshots



Functionality and Screenshots

- Home Activity
- This is the Home activity that is visible to the user after successful login.
- The user can click on the buttons to switch between various options (Chat, Meeting, Event).
- The user can click on menu bar and switch between to see all users or logout.
- Java Class: HomeActivity.java
- XML Layout: activity-home.xml

Functionality and Screenshots



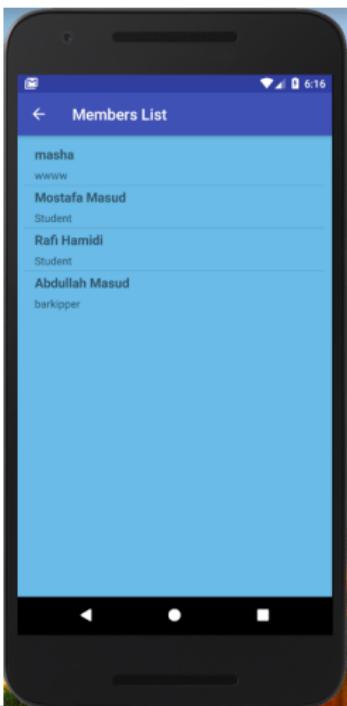
Functionality and Screenshots

- Menu Bar
- If user clicked on Log out option, then user will be redirected to Start activity, and will be sign out from Firebase authentication.
- If user clicked on All Users option, then user will be redirected to RegisterListActivity, where can see the list of all users.
- XML Layout: main-menu.xml

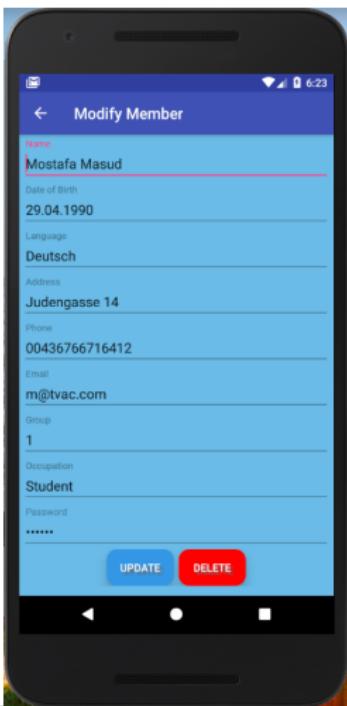
Functionality and Screenshots

- All Users
- The user can click on list of members to see all information about member and will be redirected to RegisterModifyActivity.
- Current user can update or delete information only of himself.
- Java Class: RegisterListActivity.java
- Java Class: RegisterModifyActivity.java
- XML Layout: activity-list-register.xml
- XML Layout: activity-modify-register.xml

Functionality and Screenshots



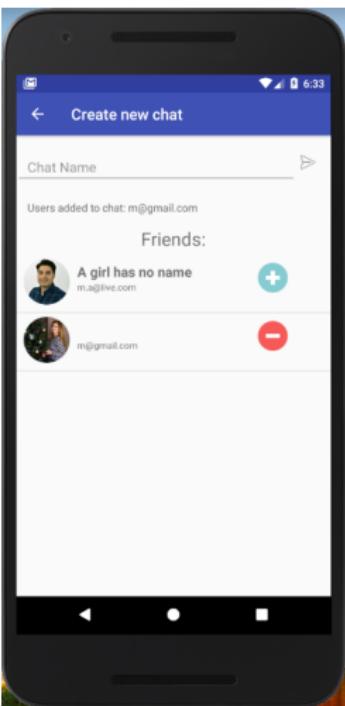
Functionality and Screenshots



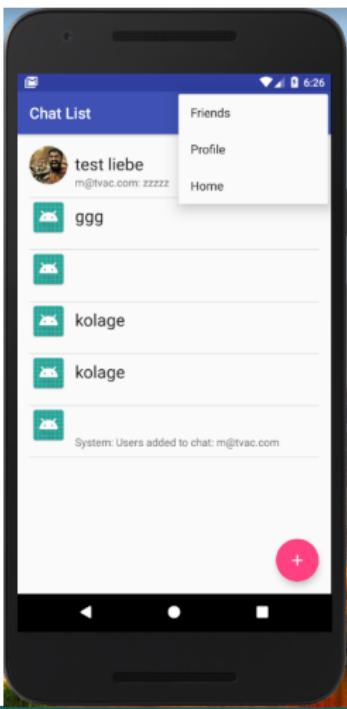
Functionality and Screenshots

- Chat Button
- User will be redirected to ChatListActivity, if user has already friends he can see Plus button and create a new chat with this button, if not, then this Plus button will be invisible.
- The user can create one to one or group chat.
- If user clicked on Plus button, he will be redirected to the ChatListActivity, where he can choose friends , give name for chat and then create a chat.
- Java Class: ChatListActivity.java
- XML Layout: activity-main-chat.xml
- Java Class: ChatActivity.java
- XML Layout: add-chat.xml

Functionality and Screenshots



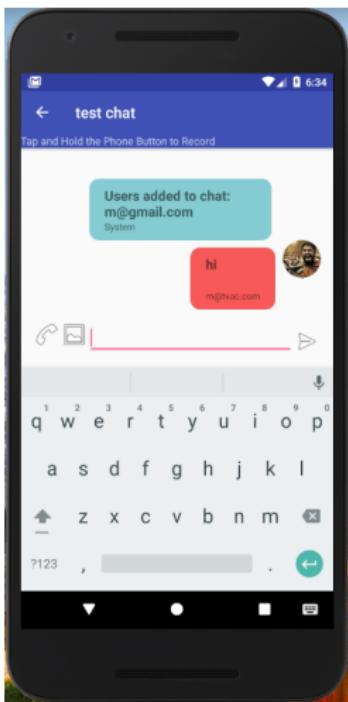
Functionality and Screenshots



Functionality and Screenshots

- Chat Message Activity
- In chat user can write text messages and also he can send pictures and voice records.
- Java Class: ChatMassageActivity.java
- XML Layout: messages-activity.xml

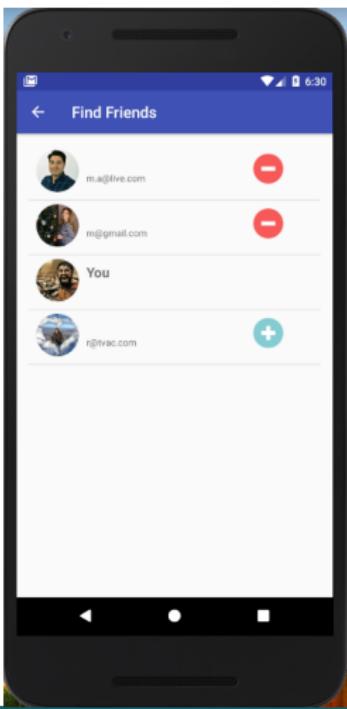
Functionality and Screenshots



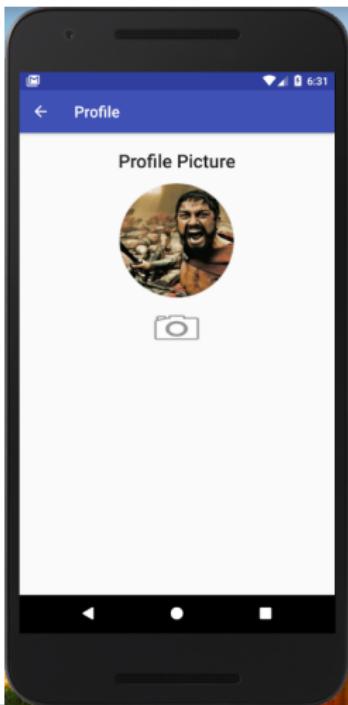
Functionality and Screenshots

- Menu Bar
- In menu bar user can choose between Friends, Profile and Home, If user clicked on friends he will be redirected to friendListActivity, where he can add or remove friends.
- If user clicked on profile he will be redirected to the ProfileActivity, where he can choose a profile picture for himself.
- If user clicked on home, he will be redirected to the HomeActivity.
- Java Class: FriendsActivity.java
- XML Layout: add-friends-activity.xml
- Java Class: ProfileActivity.java
- XML Layout: profile-activity.xml

Functionality and Screenshots



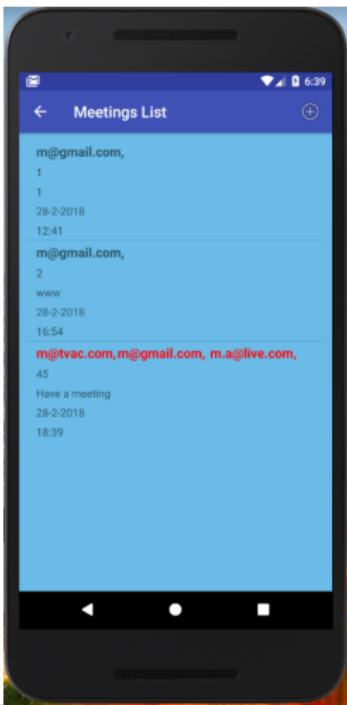
Functionality and Screenshots



Functionality and Screenshots

- Meeting Button
- If user clicked on Meeting button, he will be redirected to the MeetingListActivity, where he can see all created meetings.
- When current user is included in one or more meetings, then E-Mails of members in this meeting will be marked with red color.
- When user clicked on Plus menu option in menu bar, he will be redirected to the AddMeetingActivity, where he can create a new meeting.
- Java Class: MeetingListActivity.java
- XML Layout: fragment-list-meeting.xml

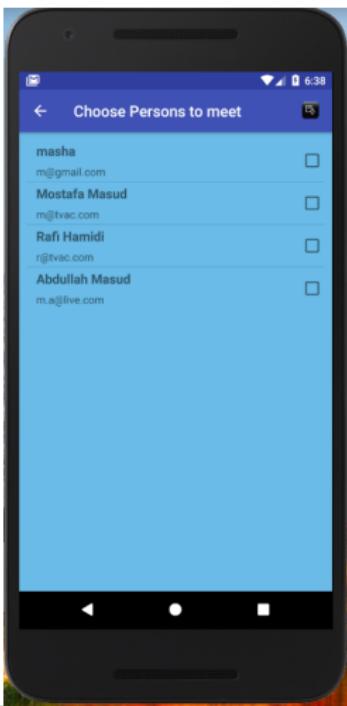
Functionality and Screenshots



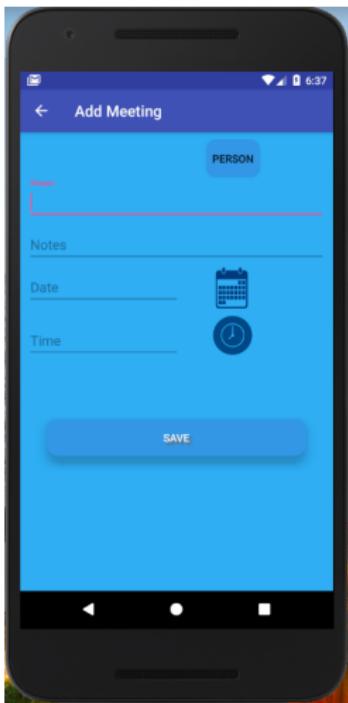
Functionality and Screenshots

- Add Meeting Activity
- When user clicked on Person button, he will be redirected to the MembersActivity, where he can choose members for meeting.
- He can also choose Date, Time and write Notes about this meeting.
- Java Class: AddMeetingActivity.java
- XML Layout: activity-add-meeting.xml
- Java Class: MembersActivity.java
- XML Layout: activity-members.xml

Functionality and Screenshots



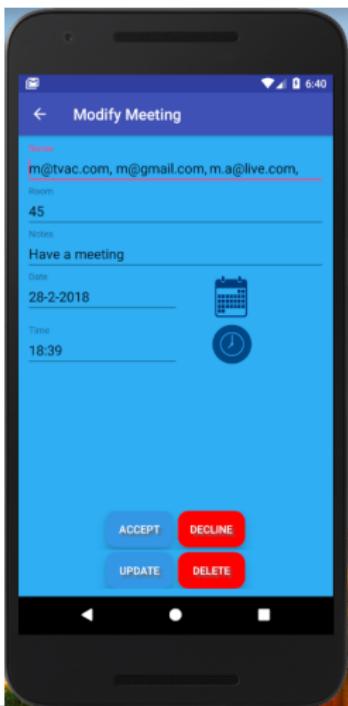
Functionality and Screenshots



Functionality and Screenshots

- If current user is already included in a meeting, he can accept, decline, update and delete this meeting.
- If user declined this meeting, than his name will be deleted from this meeting.
- Java Class: ModifyMeetingActivity.java
- XML Layout: activity-modify-meeting.xml

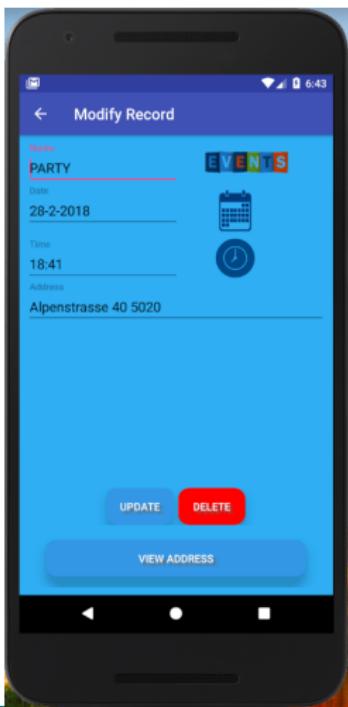
Functionality and Screenshots



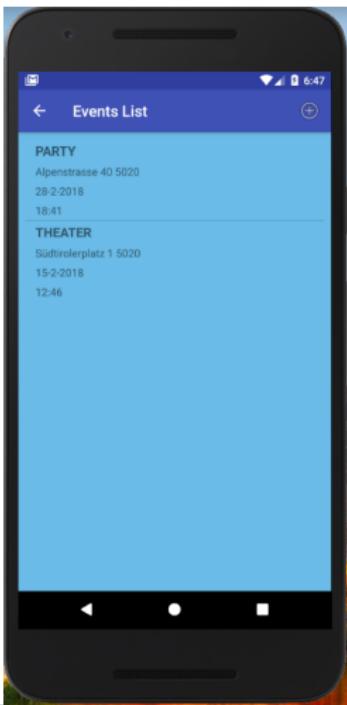
Functionality and Screenshots

- Event Button
- If user clicked on Event button, he will be redirected to the EventListActivity, where he can see the list of events.
- In EventListActivity, if user clicked on Plus menu option, than he will be redirected to the AddEventActivity, where he can creating a new event.
- If user clicked on a event in events list, than he will be redirected to the EventModifyActivity, where he can update, delete and see the address in Google Maps.
- Java Class: ModifyEventActivity.java
- XML Layout: activity-modify-event.xml
- Java Class: AddEventActivity.java
- XML Layout: activity-add-event.xml

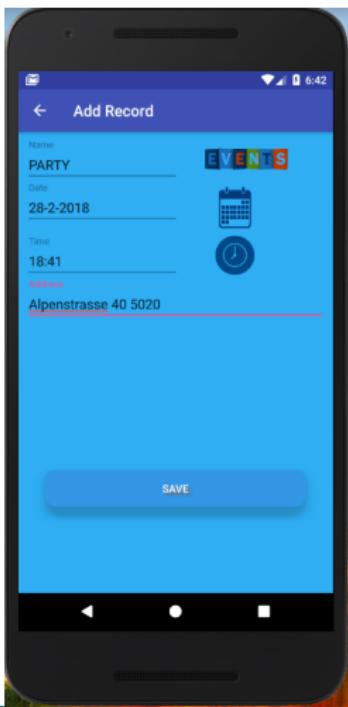
Functionality and Screenshots



Functionality and Screenshots



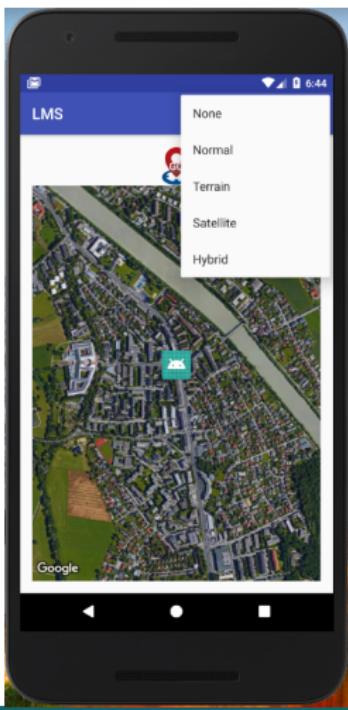
Functionality and Screenshots



Functionality and Screenshots

- View Address
- If user clicked on View Address, he will be redirected to the MapActivity, where he can see address on google map.
- if user clicked on location of address, he can calculate a route
- Java Class: MapsActivity.java
- XML Layout: activity-maps.xml

Functionality and Screenshots



Functionality and Screenshots

