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RageStats

Making the app for a friend who work with emotionally unstable persons and need an app to document when an emotional outburst occurs.

An app for those who work with emotionally unstable persons and need to keep notes and stats.

Intended User

A collaborative tool for those who assist emotionally unstable persons and need to keep track of outbursts and their possible causes.

Features

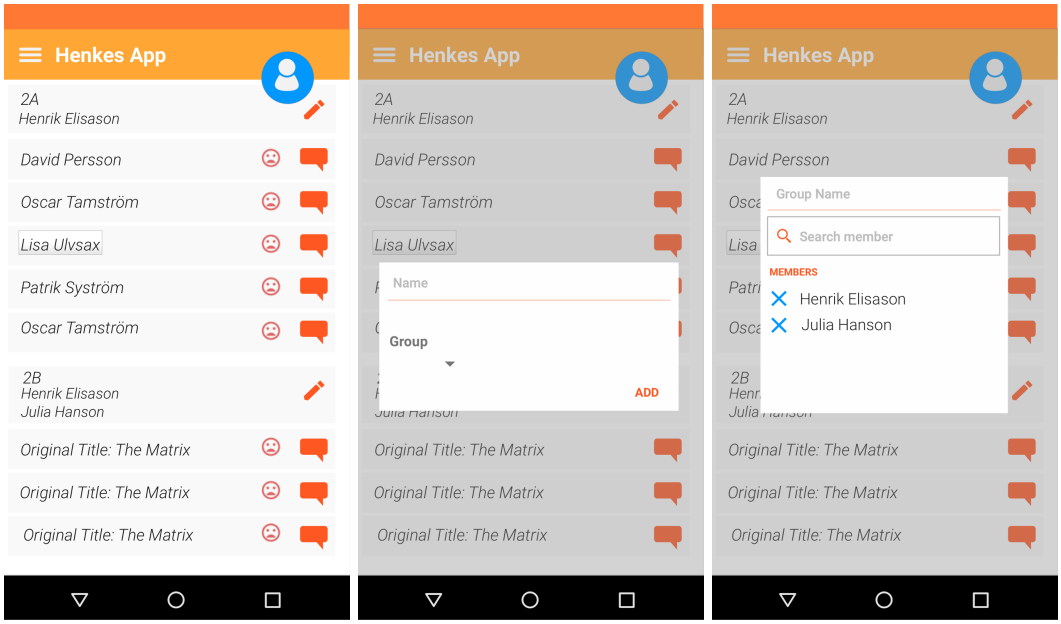
- Keeps statistics daily and over time
- Keeps notes sorted by tags and time

- Quickly capture students currents emotional state
- Allow several teachers to view and edit the same group
- Track causes over time by tagging occurrences.
- Widget to quickly take dokument observations

MainActivity mock

The main screen consist of a list of students, categorised in different groups. All list items has different quick-action buttons where user can take notes, and tap the smiley face to change the smiley into a mood that reflects the student's current emotions.
The dialog in pic 2 appears when user thap the blue fab on top and is used for creating a new student to the group. The Dialog in pic 3, appears when the user tap the spinner, in the previous dialog, and choses the “create new group” item.
Tapping on one of the students list items will navigate the user to the StatisticsActivity.

Screen 1



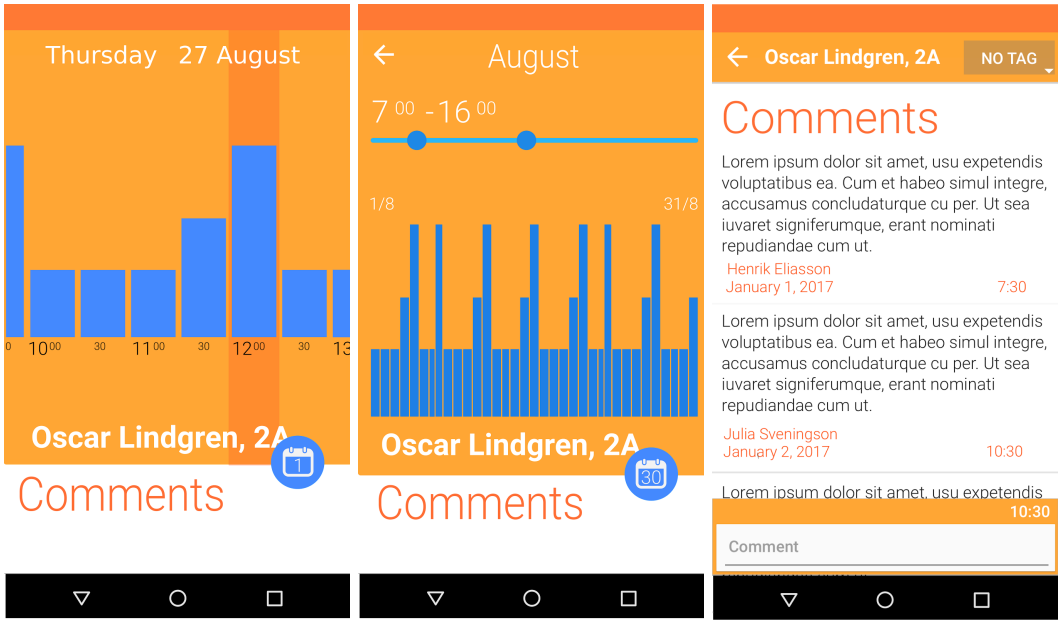
StatisticActivity mock

The second screen is where the user add and view statistics, and also adding and viewing comments.

The top of the layout is a fragment that, when user navigate down, move away in a parallax motion and reveal a list of comments. The fragment (DayStatistic Fragment) turn into another fragment (LongStatistic Fragment) when tap the statistic floating action button.

Day Statistic Fragment:
this fragment lets the user see and change statistics for that day and also let the user add notes for every hour.
Long Statistic Fragment:
This fragment shows statistics over a longer period of time.
Below the AppbarLayout appears a list of comments. These comments is ordered by time and by tags. The DayStatisticFragment has a comment button that let the user add comments for that hour and day and let the user change the tag for that comment.

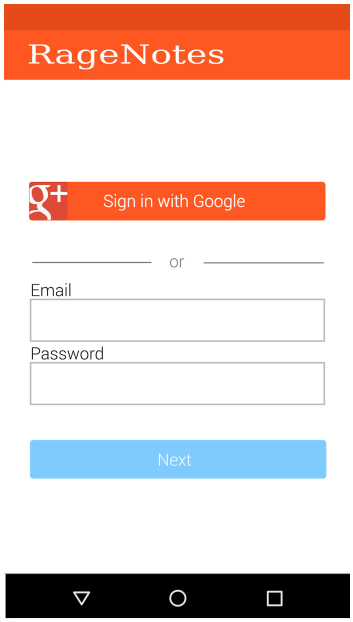
Screen 2



LogInActivity mock

RageStats is a collaborative tool and therefore allows users to sign in and add other users to their groups. This activity lets the user log with a single tap, or by adding email and password.

Screen 3



Key Considerations

How will your app handle data persistence?

Intending to implement SimpleProvider library instead of building a provider from scratch.

Describe any corner cases in the UX.

I will have four activities MainActivity, LoginActivity, SignUp Activity and Statistics Activity. User navigate to LoginActivity by logging out from the menu in MainActivity or by simply not being logged in, and back to MainActivity by signing in.
To get from MainActivity to Statistics Activity the user tap an item in the list. Since the Statistics Activity contains two fragments the user can use both a floating action button and the back button to navigate between the two fragments.

Describe any libraries you'll be using and share your reasoning for including them.

Will use either GraphView library or MPAndroidChart for showing stats for longer time. I will try both and keep the one that has what I need.
http://www.android-graphview.org/showcase/
https://github.com/PhilJay/MPAndroidChart

Describe how you will implement Google Play Services.

I will use Firebase Cloud Messaging to sync the data for all users. For the login functionality I will use Google Authorize.
I will also show ads with Google AdMob.

Next Steps: Required Tasks

Task 1: Project Setup

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Create a content provider with a library
- Create a User object where I can get and set all the data
- Add code in my User object to saving and retrieving data from the content provider

https://stackoverflow.com/questions/3333658/how-to-make-a-vertical-seekbar-in-android

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for MainActivity
- The blocks in the DayStatisticFragment will be modified Seekbars stacked in a Recyclerview. I will use the implementation from the link below to make the seekbar vertical and then customize the appearance.
  https://stackoverflow.com/questions/3333658/how-to-make-a-vertical-seekbar-in-android
- The graph in the LongStatisticFragment
- Build UI for StatisticsActivity
- Build UI for LoginActivity

Task 3: Implement and test Firebase libraries

- Implement and register Google Cloud Messaging
- Implement and register Google Authorize
- Implement and register Google AdMob
- Test with Espresso

Add as many tasks as you need to complete your app.

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"

3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"