Fitness App

Daniel, Marvin, Philipp, David, Suleiman

Landing Page

Quick Navigation to:

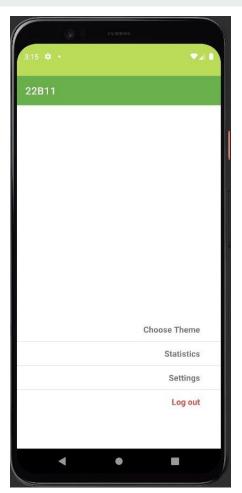
- Record Activity
- Add Activity
- Edit Activity
- Recent Activities
- Options
- Statistics

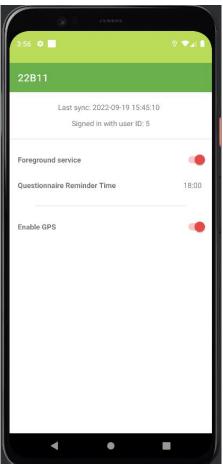


Settings Menu

Navigation to:

- Theme Selection
- Statistics
- Settings
- Log Out

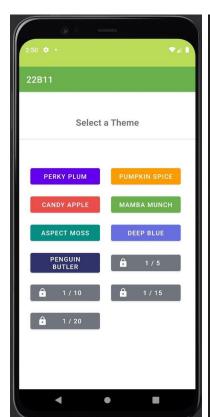




Themes & Unique idea

- Different presets of Themes
- Complete Daily Questionnaires to unlock more.

(Only one per day can be accounted)





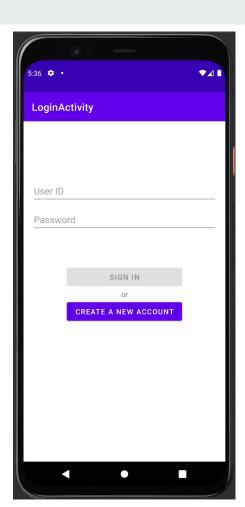
- Data is saved persistently in SQL database
 - ACID properties

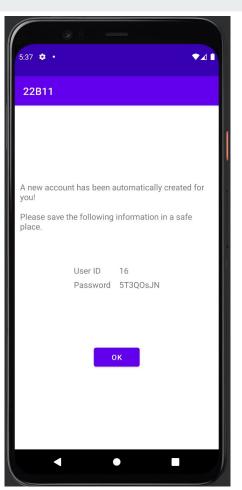
Database

id	user_id	last_sync_sqn	last_modification	start	end	duration	activity_type	type	is_automatically_detected
1	2	46	2022-08-01 11:54:47.767166	2022-08-01 07:00:00.000000	2022-08-01 08:00:00.000000	3600	SWIMMING	Swimming	0
2	5	17	2022-08-01 14:44:08.341676	2022-08-01 14:43:29.387000	2022-08-01 14:43:30.387000	1	HIKING	Hiking	0
3	5	17	2022-08-01 14:44:08.342084	2022-08-01 14:43:48.260000	2022-08-01 14:43:48.622000	0	RUNNING	Running	0
4	5	34	2022-08-01 15:02:08.648645	2022-08-01 15:01:45.961000	2022-08-01 15:01:46.678000	0	WALKING	Walking	0
5	9	3	2022-08-01 15:56:15.804626	2022-08-01 13:00:00.000000	2022-08-01 14:00:00.000000	3600	WALKING	Walking	0
6	9	3	2022-08-01 15:56:15.805162	2022-07-31 13:00:00.000000	2022-07-31 13:30:00.000000	1800	HIKING	Hiking	0
7	9	4	2022-08-01 15:57:15.852840	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0
8	9	5	2022-08-01 15:58:14.650441	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0
9	9	6	2022-08-01 15:59:15.231513	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0
10	9	7	2022-08-01 16:21:11.832000	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0
11	9	8	2022-08-01 16:44:40.808454	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0
12	9	9	2022-08-01 16:45:42.409174	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0
13	9	10	2022-08-01 16:46:41.776585	2022-08-01 15:56:24.140000	2022-08-01 15:56:26.336000	2	SWIMMING	Swimming	0

Login and Account System

- User creates account
 - Private: no personal information required
 - Easy: password automatically generated
- Data synchronized with cloud automatically
- Account can be reused on another device
 - All data is restored

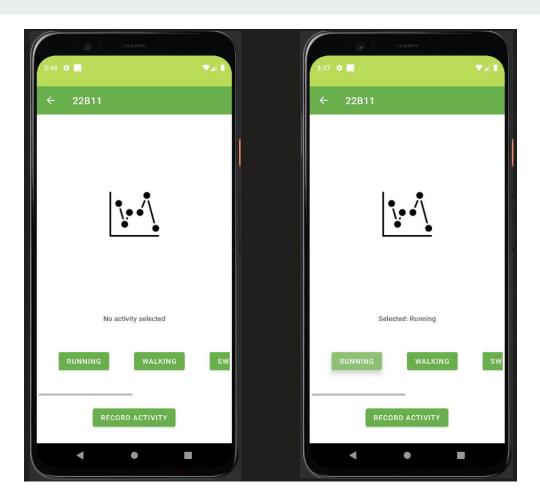




Activities

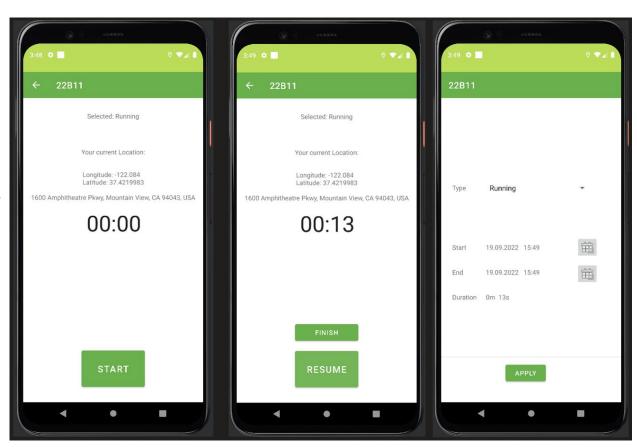
- User selects an activity
 Default activity: predefined list
 Custom activity: select "other"
- Go to recording page by clicking "record activity"





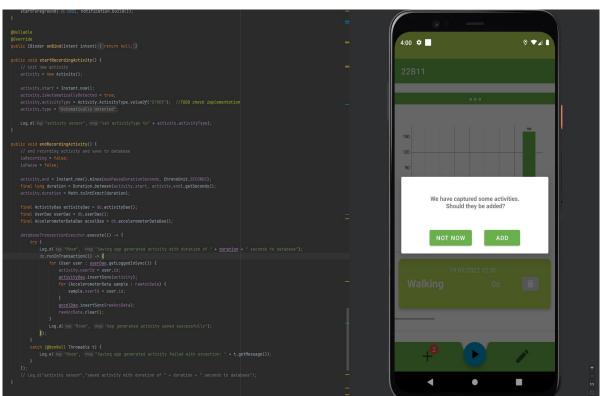
Activities

- Recording is started by clicking "Start" and pause by "Pause"
- On clicking "apply" the recorded activity is now saved and can be edited



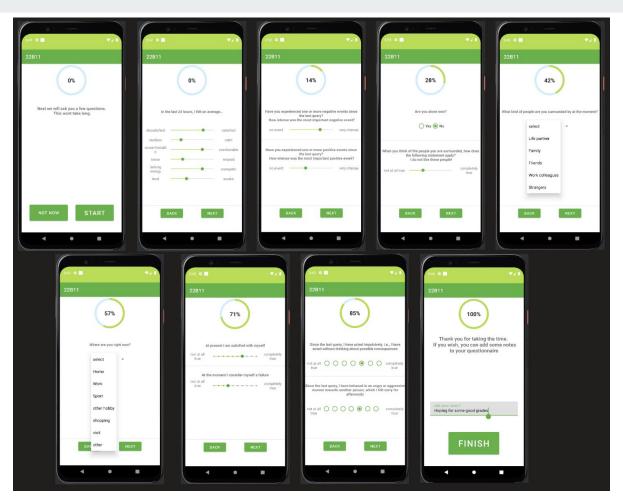
Activity Detection

- Auto-generated Activities
- Threshold to start recording
- 24/7 available
- detect breaks
- Detected activities are shown at the plus sign as A red circle with a number



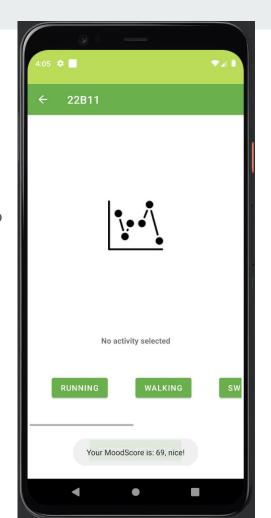
Questionnaires

- The questionnaire is made up of 9 sites with several questions consisting of slider and drop down menus.
- At the top it shows the percentage of answered questions.
- In the end the questionnaire will be evaluated through a formula.



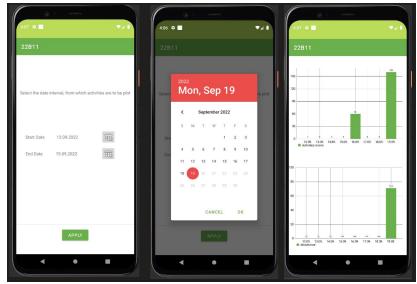
Questionnaires

- After completing the questionnaire the moodscore will be shown to the user
- The formula that was used to calculate the moodscore can be changed by the researcher.



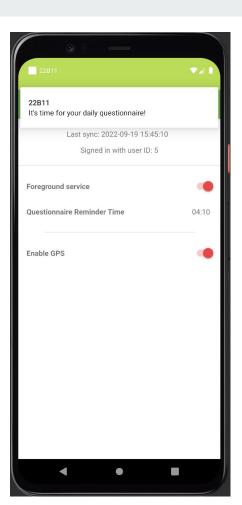
Statistical Representation

- User selects an interval to plot moodscore and activities
- First diagram shows activities in minutes
- Second diagram shows average moodscore of the day



Statistical Representation

- User receives a reminding notification to take Questionnaire
- Default reminder time is 6pm and can be changed in settings



Thank you!

Any questions?