
Emotion Regulation Research Questionnaire App Project

COMP2160

Lab 6

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Goal

To create an application that collects data for psychological research in emotion regulation, which presents the user with a series of questions at regular intervals.

Solution

This application provides a survey interface which records users' responses to research question and saves them to a file on the device's external storage. The actual application will prompt the research participant to complete six assessments at a random time within six two-hour intervals, during a 12-hour period.

For the purposes of this assignment, the main activity of the application allows the user to start the survey at any time for testing, as well as the notification which prompts the user to complete the assessment. Clicking on the notification starts an assessment. On completion of each assessment, data is timestamped and written to a text file which is saved in the Download directory on the device external storage.

To demonstrate an understanding of services and broadcast receivers, a service has been implemented which simply prompts the user to complete an assessment every two hours, and has been confirmed working so far in my own testing.

Working Areas/Opportunities for Improvement

- Finish survey service, implement presentation of assessments exactly as described for actual use
 - Handle non-response to assessments by participant, extension of sampling period
 - Validate data, ensure survey completed correctly within allotted time
 - Assist in assessing sample validity, discard incorrectly gathered information if required
 - Geographical location recorded/GPS
 - Possibly adjust scale to use numbers rather than rating bar
 - Upload data to server for ease of collection, move results to internal storage to hide data from user. Current implementation uses external storage so that it may be retrieved over USB.
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