

CardioBook - tbaiz

Upon entering the application, stored measurements are displayed in a list. User can add new measurement by pressing the "add" button and edit/delete measurement by pressing on existing measurement. After entering valid inputs, the submitted measurement will be displayed in the list view.

Class Documentation:

1. MainActivity.java

This class displays the first activity that user sees upon opening the app. It contains a data list of measurements from local shared preferences. It allows user to add new measurement by pressing the floating button or edit/delete existing measurement by clicking on the list view item.

2. AddEditMeasurement.java

This class displays an alert dialog above the main activity. It allows user to add, edit or delete measurement inputs. It sets non-empty restriction on all inputs except comment. It sets positive integer restriction on pressure and heart rate inputs. Once inputs are completed, the result is stored to the shared preference.

3. Measurement.java

This class defines the object "measurement". Contains methods getters and setters.

4. CustomList.java

This class customizes array adapter. It displays all inputs of a measurement and sets alert on abnormal pressure inputs.

Citations:

1. Project Structure

This project is based on "CityList - Fragment" provided in Lab 3 on eClass.

2. MainActivity.java -> saveData(), retrieveData()

Stackoverflow post by Muhammad Maqsoodur Rehman:

<https://stackoverflow.com/users/2355649/muhammad-maqsoodur-rehman> Answer by Harneet Kaur:

<https://stackoverflow.com/questions/3624280/how-to-use-sharedpreferences-in-android-to-store-fetch-and-edit-values>

3. AddEditMeasurement.java -> dateOnClick(), timeOnClick() Stackoverflow

post by Luc:

<https://stackoverflow.com/users/231957/luc> Answer by Jon:

<https://stackoverflow.com/questions/2348657/android-use-a-datepicker-and-timepicker-from-within-a-dialog>

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