

FACULTY OF COMPUTERS, INFORMATICS AND MICROELECTRONICS

TECHNICAL UNIVERSITY OF MOLDOVA

EVENT DRIVEN PROGRAMMING

LABORATORY WORK #2

Basics of Working With Android Keyboard. Child Views. Advanced View Elements

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Laboratory work #1

1 Purpose of the laboratory

Gain knowledge about basics of event-driven programming, understanding of activity class, view and basic possibilities of Android.

2 Laboratory Work Requirements

– **Basic Level (grade 5 - 6) you should be able to:**

- a) Create a View application what will display a dialog box on some event (ex. on clicking some button).
- b) Add a system menu to your application with at least 3 items (add actions to that items).
- c) Hook keyboard input. Add 2 custom events for 2 different keyboard

– **Normal Level (grade 7 - 8) you should be able to:**

- a) Realize the tasks from *Basic Level*.
- b) Add a scroll bar that will change any visible parameter of any other element (color of a text). (I used swipes events instead of scroll)

– **Advanced Level (grade 9 - 10) you should be able to:**

- a) Realize the tasks from *Normal Level*.
- b) Customize your application by adding an icon

3 Laboratory work implementation

3.1 Tasks and Points

I implemented all tasks.

3.2 Laboratory work analysis

<https://github.com/strdr4605/TUM-EDP-labs/tree/finish2/lab\%232>

3.3 Prove your work with screens

Screens are in README.md file

Conclusions

After this laboratory work I understood how to handle an key press event, handle swipe touch, creating alert dialog and simple menu list

References

- 1 Android: display an alert dialog, <http://stackoverflow.com/questions/2115758/how-do-i-display-an-alert-dialog-on-android>
- 2 Android Developer, *official page*, <https://developer.android.com/index.html>
- 3 Android: How to handle right to left swipe gestures <http://stackoverflow.com/questions/4139288/android-how-to-handle-right-to-left-swipe-gestures>