FACULTY OF COMPUTERS, INFORMATICS AND MICROELECTRONICS

TECHNICAL UNIVERSITY OF MOLDOVA

WINDOWS PROGRAMMING

LABORATORY WORK #2

Advanced Form Elements. Child Windowses. Basics of Working With Keyboard.

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Laboratory work #1

1   Purpose of the laboratory

Gain knowledge about basics of event-driven programming, understanding of windows class. Also understanding of the process OS messages.

2   Laboratory Work Requirements

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

  a) Create a Windows application what will dispaly 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 combinations (ex. change window background on ctrl+space) (vertically and horizontally)

– **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) OR other 2 scroll bars that will manage main window size or position

– **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 and using different cursor in application

  c) Add a listbox and attach some events when any element is accessed (clicked)

Link to my git repository,`https://github.com/LordOfNightmares/WP-LABS`

2.1 Laboratory work analysis

The features added to my window are:

– 2 Buttons which change their font in dependence of whenever you push them one of the buttons being custom

– The buttons change the background color and change the font.

– A text line that is centered inside the window.

On the following pics below i show example of program execution.
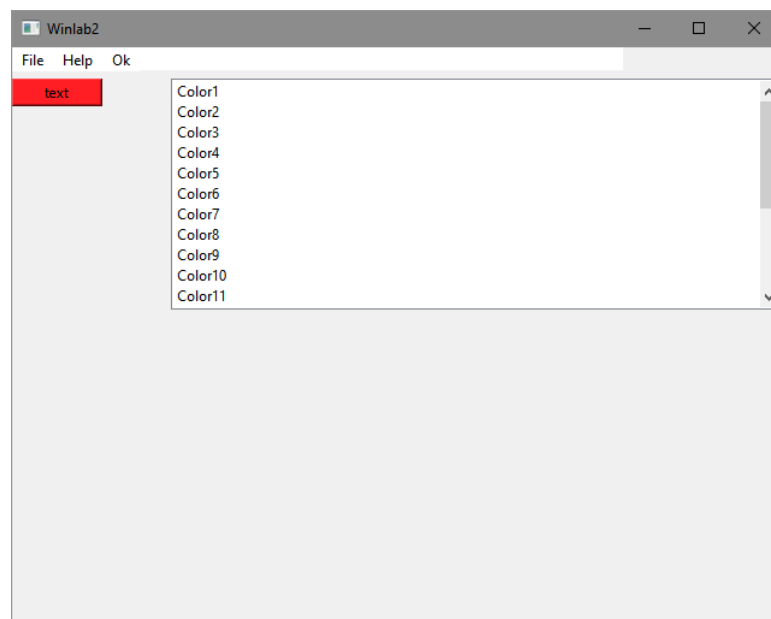
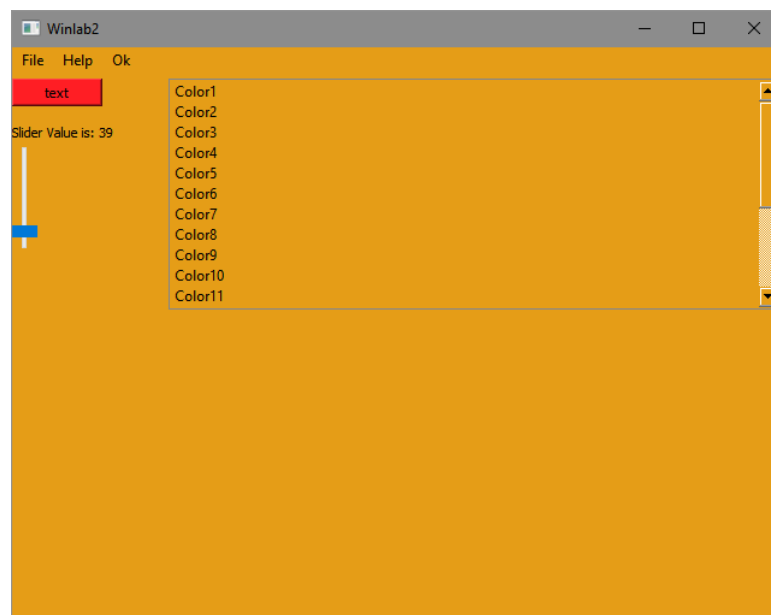## 2.2 Prove your work with screens

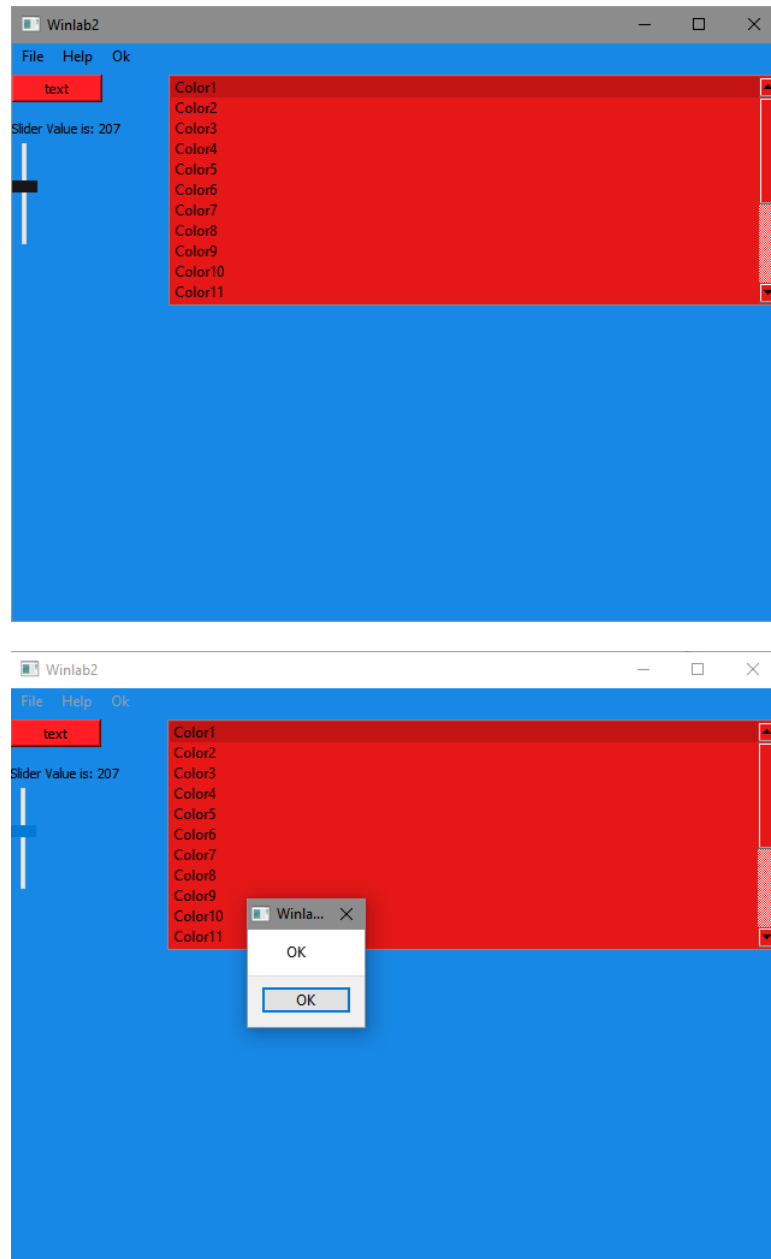

Figure 2.1 – Default

Figure 2.2 – Button

Figure 2.4 – about

Conclusions

I learned how to change the behaviours of a window and how to change its proprieties ,to add keyboard command controls a scrollbar a listbox menu and add dialog boxes.

References

1 Qt Examples And Tutorials,`http://doc.qt.io/qt-5/qtexamplesandtutorials.html`

2 Google,`https://www.google.com`