

TECHNICAL UNIVERSITY OF MOLDOVA

FAT

EVENT-DRIVING PROGRAMING

REPORT

Laboratory work nr.2

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1 Purpose...

In this laboratory work we have to get knowledge about Advanced Form Elements of even-driving programming, understanding how work with Child Windowses and keyboard.

2 Requirements...

MANDATORY OBJECTIVES:

- Display a dialog box on some event (ex. on clicking some button)
- Add a system menu to your application with at least 3 items (add actions to that items)
- Add a scroll bar that will change any visible parameter of any other element (color of a text)
- Hook keyboard input. Add 2 custom events for 2 different keyboard combinations (ex. change window background on ctrl+space)

OBJECTIVES WITH POINTS:

- Add a listbox and attach some events when any element is accessed (clicked) (2 pt)
- Add 2 scroll bars that will manage main window size or position (1 pt)
- Customize your application by adding an icon and using different cursor in application (1 pt)
- Use a scroll bar to scroll through application working space. Scroll should appear only when necessary (eg. when window width is smaller than 300px) (1 pt)

3 Let's do it...

In order to do this laboratory work, I spend some time to understand how does it work - the windows API, After consulting with my friends and colleagues, reading from Windows Programming by Charles Pretzold , I did this:

- I create a menu with some sub menus in order to simplify work with my app.
- I added a listbox with some predefined colors and you can chose one of them and set it.
- I added 3 scrollbars for Red, Green, Blue and 3 Edit Windows that display the color code.
- in order to put a specific color you can edit the Edit Windowses and set the color by pressing the "Set Color" button
- I added 2 scrolls bar in order to resize the width and height of the window
- I have added the icon for my app
- I added some keyboard shortcuts in order to simplify the work with my application. The shortcuts can be found in the menu bar
- I added a message box for help

4 That was interesting...

In this laboratory work I understand how to use the resource files.

I understand how to create the menu and how to do some events with it.

I understand how to create a Dialog Box, and how to write in it.

I understand how to work with a list box and how to make some events with the list items. I learned how the scroll bars work and I did some interesting things with them, like resizing the window or changing the background in dependence of RGB colors