Faculty of Computers, Informatics and Microelectronics

Technical University of Moldova

Even-Driven Programming

Laboratory work #X

Lab title

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1 Purpose of the laboratory

Gain knowledge about basics of event-driven programming, understanding of window's class and basic possibilities of Win32 API. Also she will try to understand and process OS messages.

2 Laboratory Work Requirements

- **Mandatory Objectives**
  - Choose a *Programming Style Guideline* that you'll follow
  - Create a **Windows application**
  - Add 2 `buttons` to window: one with default styles, one with custom styles (size, background, text color, font family, font size)
  - Add 2 `text` elements to window: one with default styles, one with custom styles (size, background, text color, font family, font size) *[one of them should be something funny]*
  - On windows resize, one of the `text`s should "reflow" and be in window's center (vertically and horizontally)
- **Objectives With Points:**
  - `(1pt)` Add 2 text inputs to window: one with default styles, one with custom styles (size, background, text color, font family, font size)
  - `(1pt)` Make elements to fit window on resize *(hint: you can limit minimal window width and height)*
  - `(0-2pt)`Make elements to interact or change other elements (`1pt` each different interactions) *(ex. on button click, change text element color or position)*
  - `(1pt)` Change behavior of different window actions (at least 3). For ex.: on clicking close button, move window to a random location on display's working space
  - `(1pt)` Write your own PSG (you can take existent one and modify it) and argue why it is better (for you)

3 Laboratory work implementation

3.1 Tasks and Points

Here should be the list of the implemented tasks.

3.2 Laboratory work analysis

Add link to your repository. Create a README.md file for each laboratory work you submit. It should include the tasks that you had been implemented. Explain the features that you had been added to your window.

3.3 Prove your work with screens

Should be added 1 pic/screen for each implemented functionality.

Conclusion

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References

1 Very official Document, *official page*, `www.google.com`

2 Timo Ojala, *Multiresolution gray-scale and rotation invariant texture classification with local binary patterns*, 2002