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UNIVERSITATEA TEHNICA DIN MOLDOVA
FACULTATEA "CALCULATOARE, INFORMATICA SI MICROELECTRONICA
FILIERA ANGLOFONA

Raport

LUCRARE DE LABORATOR NR. 2
LA
MEDII INTERACTIVE DE DEZVOLTARE A PRODUSELOR SOFT

A efectuat:

st.gr. FAF-131

Tudor Plugaru

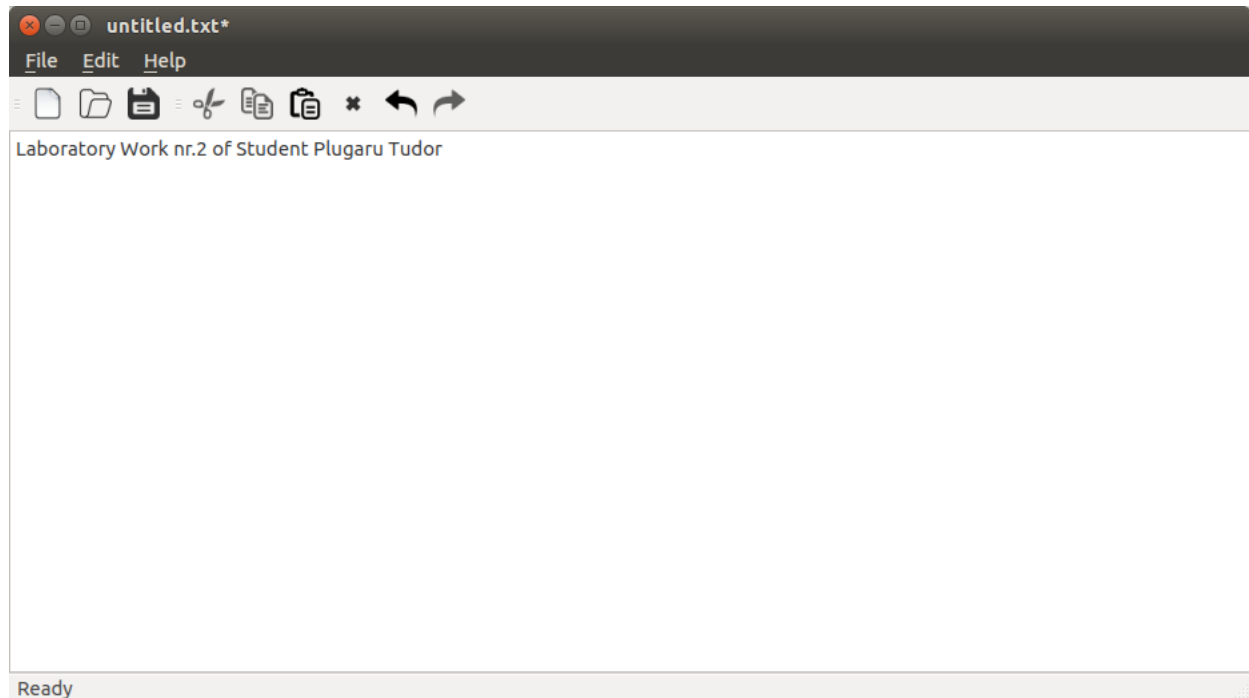
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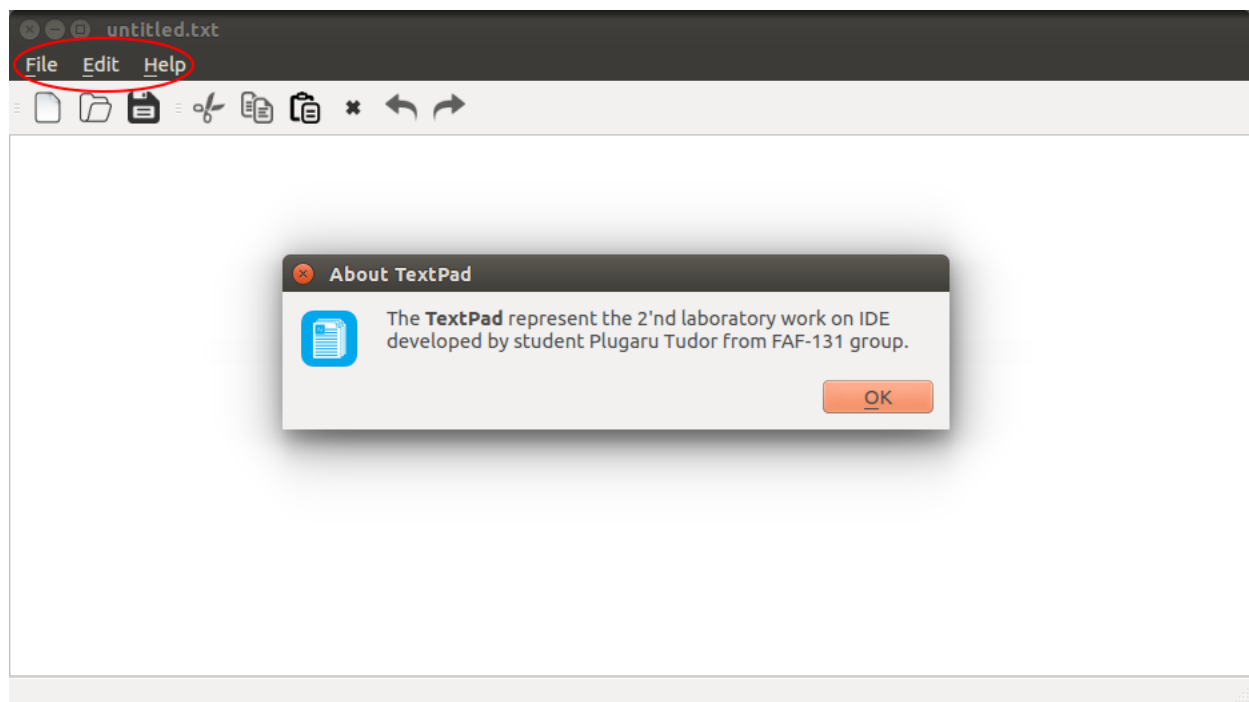
Sava Virtosu

GUI Development

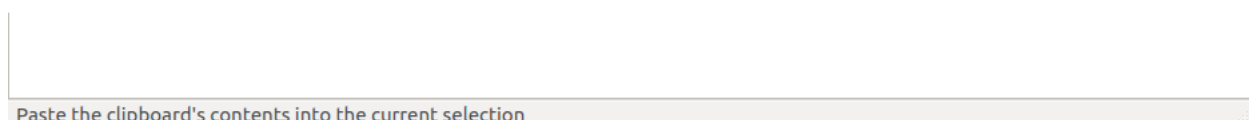
While executing this laboratory work I have used QtCreator 3.1 based on Qt 5.3.1 . I have created a simple text editor that can create, save, load .txt files. The editor is based on the concept WYSIWYG. Also added some buttons that interact with text. Bellow is a screenshot of my application”



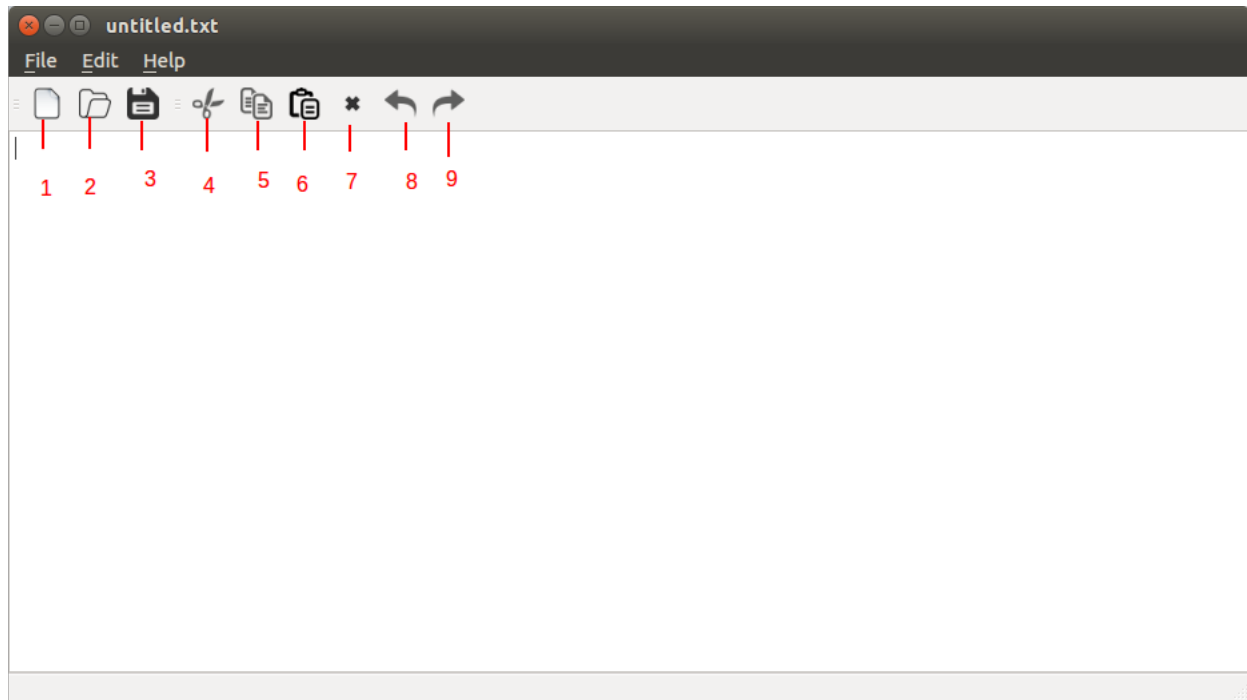
On the top bar I have 3 menus, File, Edit and Help. When the button Help is pressed, a pop-up window appears and displays some information:



On the bottom of the window a tool tip bar is available, in this bar is described what each button do. The information is displayed only if the cursor is on the button.

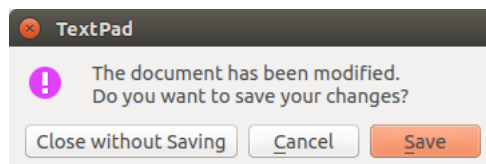


Below is a detailed presentation of my application, I will explain what each button do:



1. New File button, creates a new .txt file.
2. Open File button, opens a .txt file.
3. Save File button, saves the created file, when pressed asks the user the name of file to be saved.
4. Cut button, cut the selected text, became active only if there is a selected text.
5. Copy button, copy the selected text, became active only if there is a selected text.
6. Paste button, paste the text from the clipboard, became active only if there is some text in the clipboard.
7. Clear button, deletes all the text, works as a reset button.
8. Undo button, undo last change.
9. Redo button, redo last change.

Also, when we want to exit TextPad without saving our file, a pop-up window appears. Bellow is a sceenshot how it looks.



Conclusion

After executing this laboratory work, I have got familiar with QT framework for C++, this is my first GUI application. For me it was a big challenge to create this application because I have never used QT to create applications. At the start it was hard, but after I have read some tutorials, additional books I have started to understand how QT with C++ works and how we can create GUI apps. Also, I have recorded a presentation video for my application that will be attached to this report.