User Manual

Project Name: Automatic Transliteration between English and Russian

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Installation

The installation process for this application is very simple. One need only go to the gitlab link given: https://gitlab.computing.dcu.ie/drummk2/2017-ca400-drummk2 or just run a git clone command from this link. Once you have cloned this repo to navigate to the application and subsequently run it, type out the following commands:

```
cd 2017-ca400-drummk2/
cd src
cd Application
./run
```

Using these commands you can navigate into the directory containing the source code for the application. Then by running the "run" script, the graphical user interface will begin running and you can start transliterating.

In the event that an error occurs and you must run the user interface script directly, simply use the following commands. Note that these commands are provided with the assumption that at that point in time you are in the Application directory.

```
cd Desktop_User_Interface
cd dist

python user_interface.py
      or
./user_interface.exe
```

User Guide

This application can be used to transliterate proper nouns from the English Roman alphabet into the Russian Cyrillic alphabet. This application should prove to be useful for any English speakers learning Russian or Russian speakers learning English who are experiencing some difficulties with grasping the spelling and pronunciation rules in those languages.

How to navigate

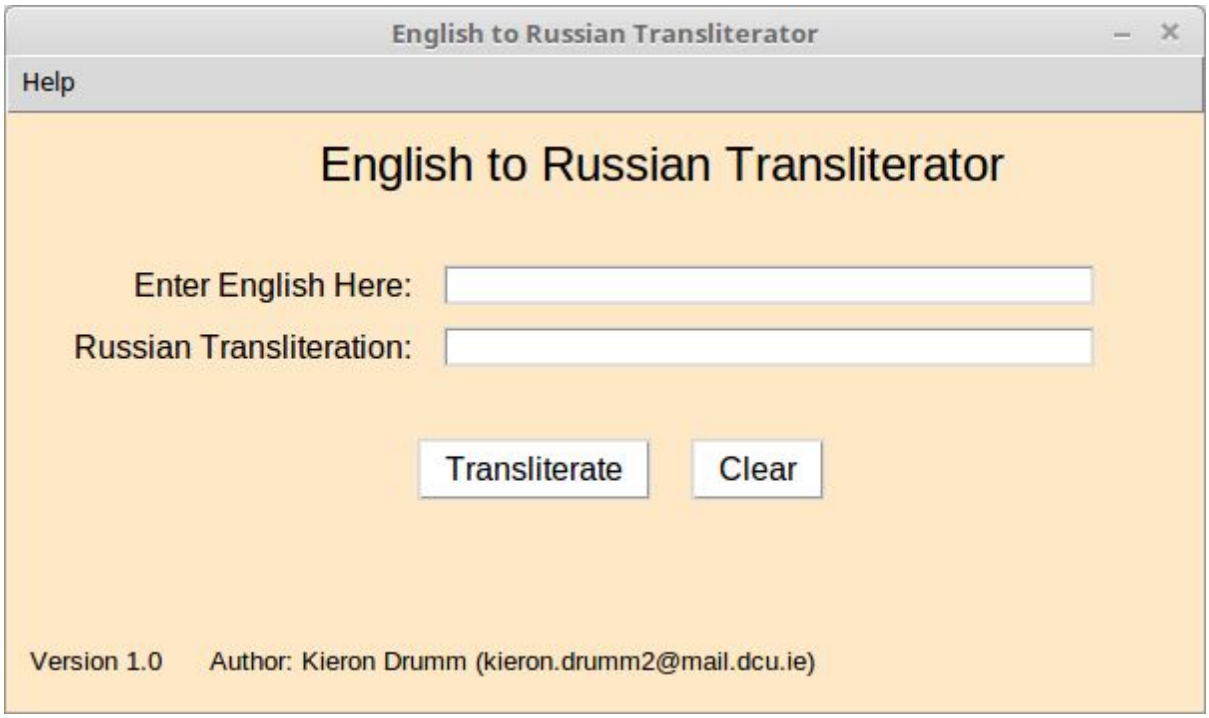
By pressing a button in the dropdown menu at the top of each window, a pop-up window will appear corresponding to whatever was pressed. 'Tutorial' will bring up a separate window containing instructions on how to use the application. Also in order to exit the application simply press the “x” symbol at the top right of the window and a prompt will appear asking for confirmation to terminate the program. Just press “Yes” and the program will terminate.

How to transliterate

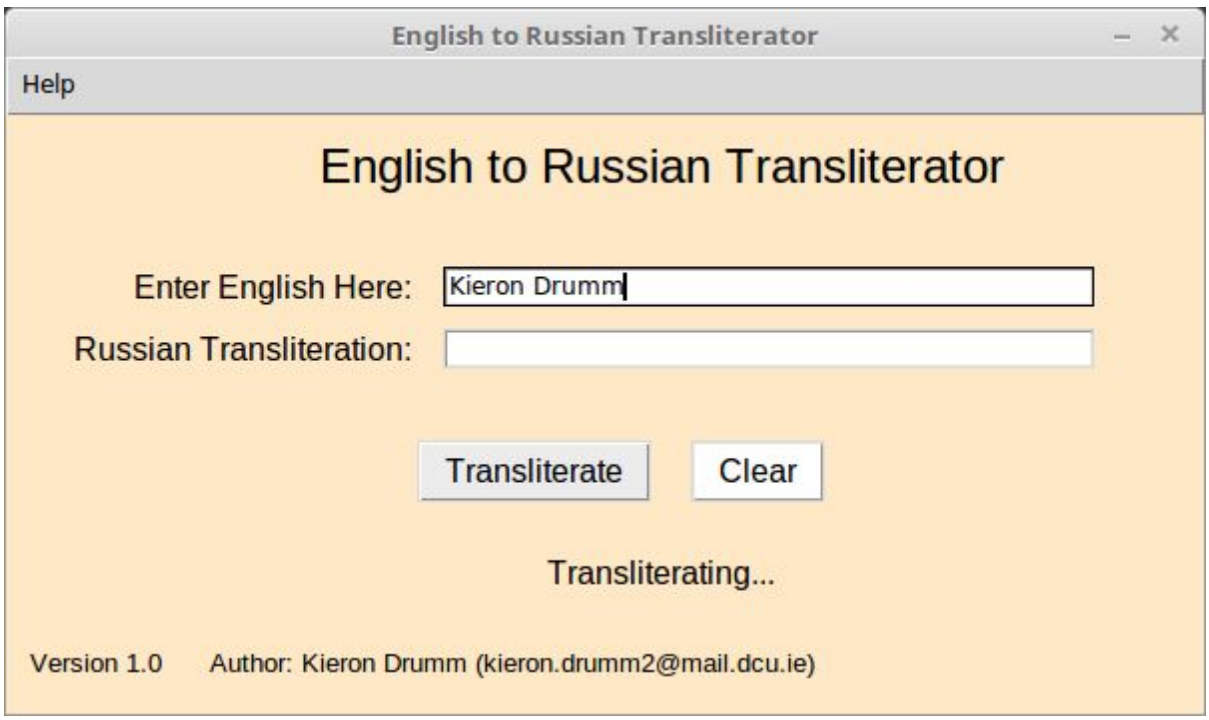
If ones wishes to transliterate something from English into Russian, a user need simply type their English message into the first box with the message “Enter English Here” beside it. They can then either press the 'Transliterate' button or press the Enter key and the transliteration process will begin. Due to some complexity issues, this process will take about 45 seconds to complete. Once this process has finished, the user will then be presented with the Russian transliteration of their message in the other textbox with the message “Russian Transliteration” beside it. Also, if one ever wishes to clear both text boxes, they can just press the 'Clear' button or use the Ctrl-c shortcut and both text boxes will be clear.

Screenshots

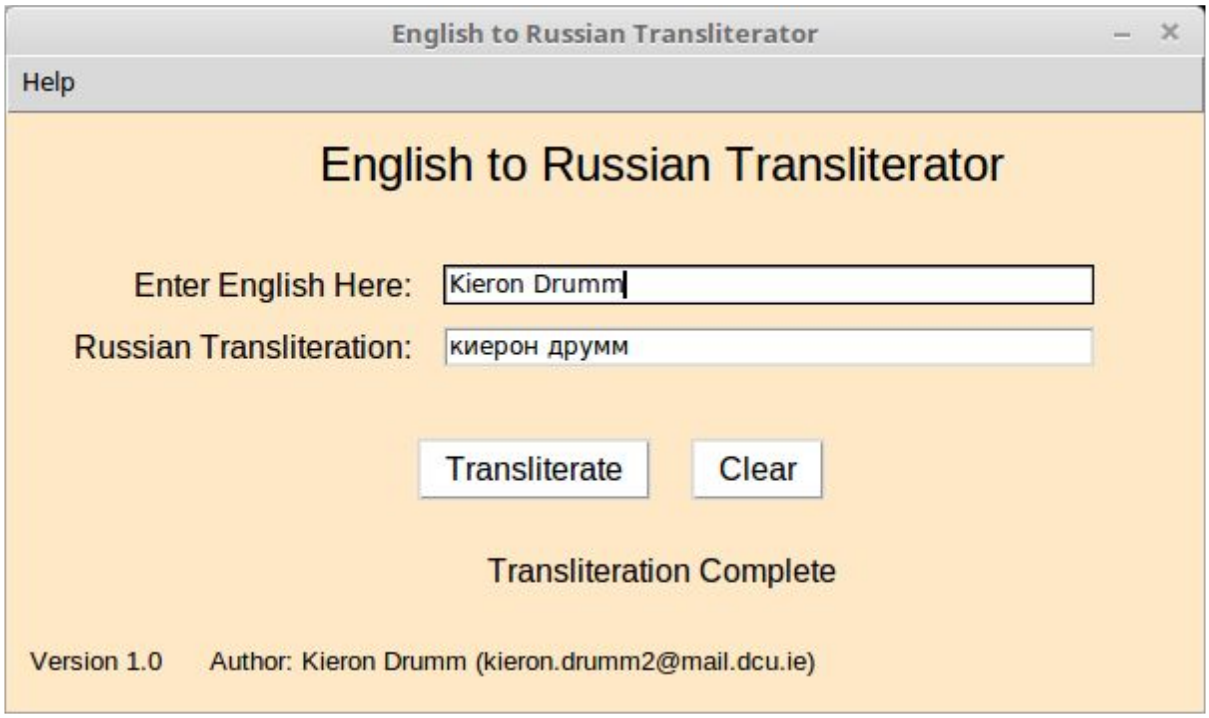
Main Window (Idle)



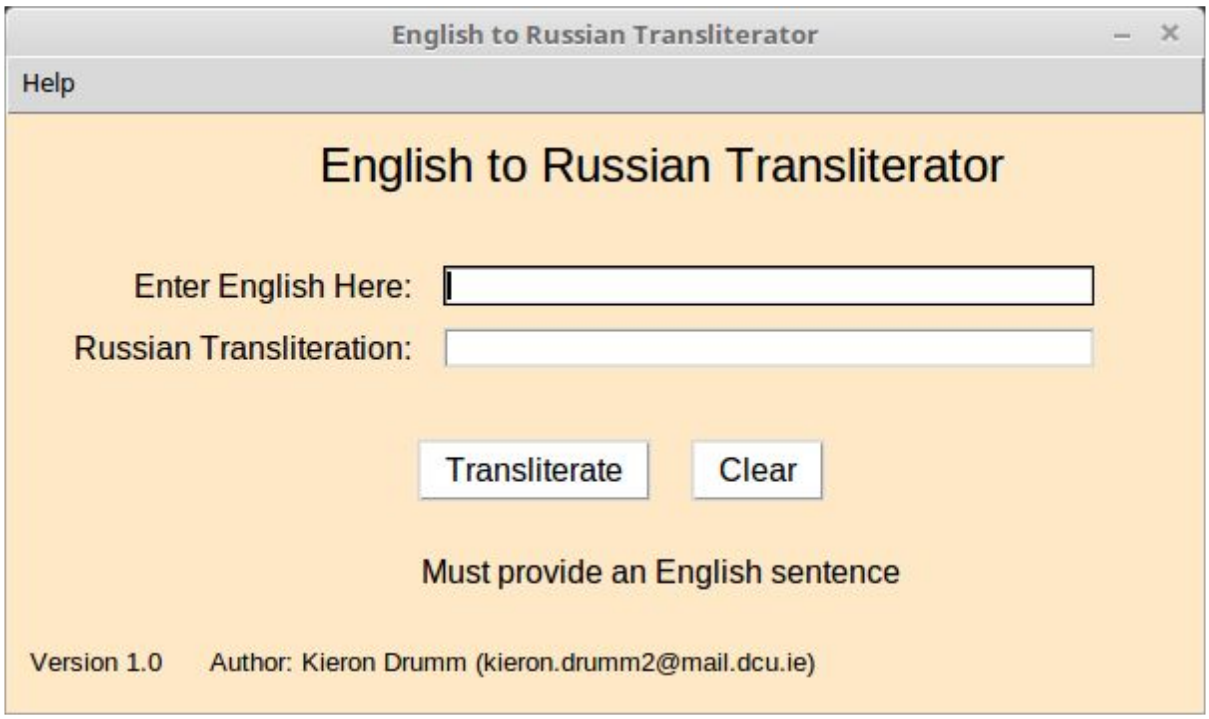
Main Window (During Transliteration)



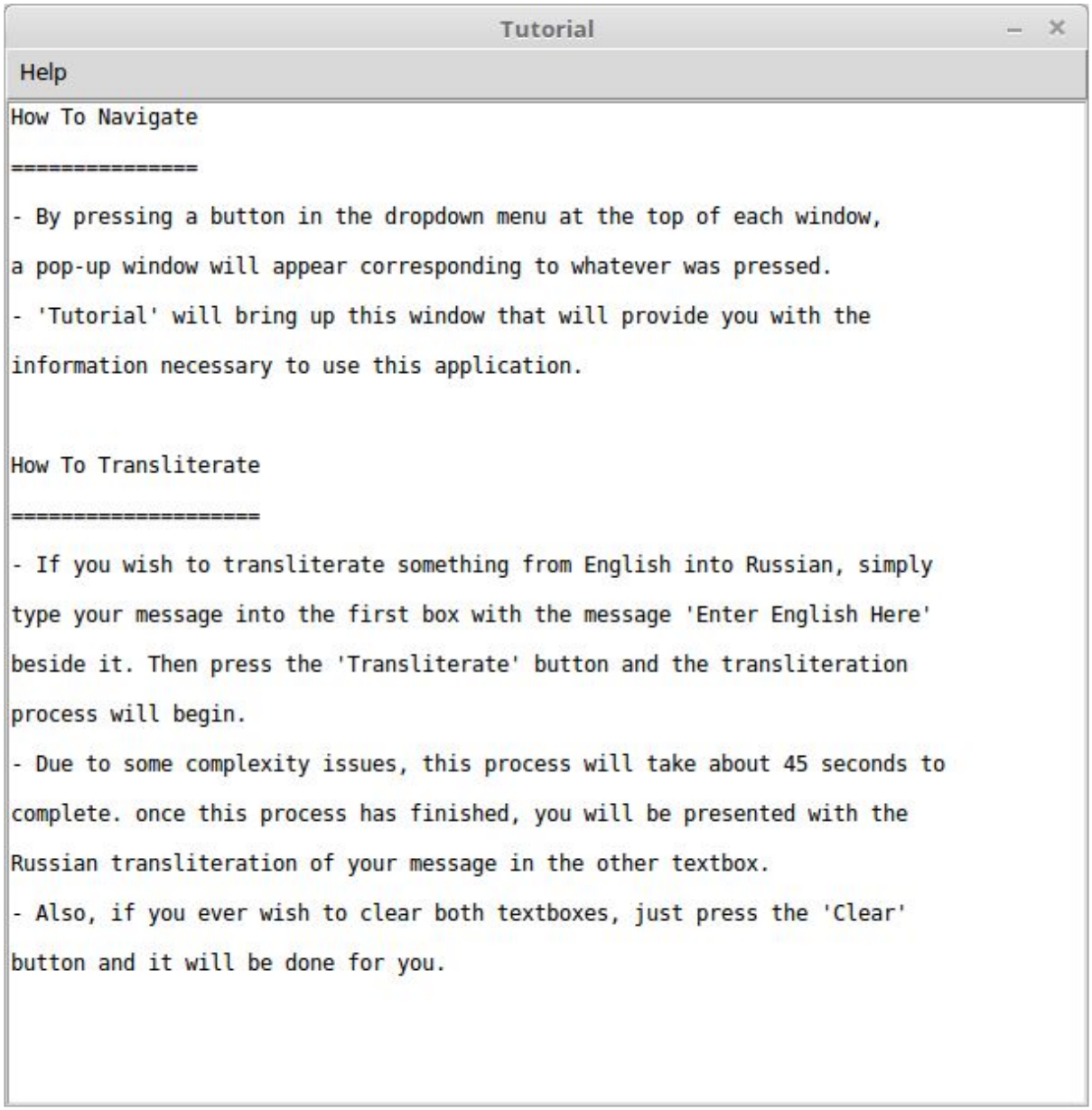
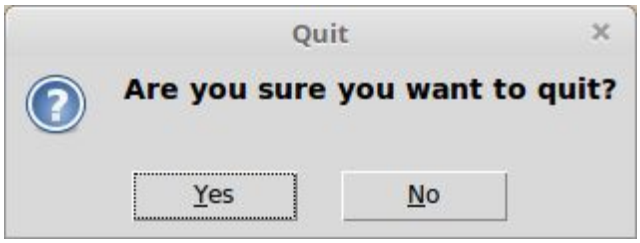
Main Window (Transliteration Completed)



Main Window (Error - No English Input Provided)



Tutorial Window



Exit Prompt