**Project 1- Documentation**

This assignment allows users to run the Translate.jar executable to pick an English to translate into one of 3 possible languages**: Italian, French, and Spanish**.

The list of translatable words is as follows:

\* "pig" \* "eats"

\* "dog" \* "cat"

\* "mouse" \* "house"

\* "runs" \* "jumps"

\* "flies" \* "digs"

\* "he" \* "she"

\* "it" \* "we"

\* "them"

**Jar Files**

This assignment is comprised of 2 executable jar files which must be in the same folder ( preferably C:\ due to weird Win7 permissions problems) :

\* **Dictionary**.**jar** – This file can be executed from the command line by typing in

java –jar Dictionary.jar [English word] [language]

If run from the command line, it will simply return the requested English word’s translation into the selected language.

\* **Translator.jar** – This file can be double-clicked on to run, as it has a GUI, or it can be run from the command line by typing in

java –jar Translator.jar

Once the jar is run, the program’s GUI will load. You can select one of the translatable English words from the GUI’s dropdown menu and a language to translate the word to. Once selected, simply hit the “Translate!” button and the translator will call the Dictionary jar to fetch your translation.

The final translation will be printed out to the “Translation:” text field and into a text file in a “Temp” folder in the same directory as the jar files.

**Java Files**

I’ve included all of my java files for the two executables. They are as follows:

**For the Dictionary.jar:**

\* Dictionary.java – This is the main class of the Dictionary.jar. All of the Dictionary’s search logic and translations are coded here.

\* Language.java- This is a simple class to define a Language object, which stores English and the Language’s words into a hashmap for quick searching.

**For the Translator.jar**:

\*Translator.java- This is the main class of the Translator.jar. It simply loads up the GUI.

\*TranslateGUI.java- This is where the GUI is built and its events are handled.

\*TranslationExport.java – This is a simple object that contains the logic to export the translations into a new file in a temp folder.