**User Documentation**

Submitted as part of the requirements for:

**CE903 Group Project**

Topic: Fact-checking (based on Wikipedia)

**Group Number**: **6**

**Registration Number of Group Members**:

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**User Documentation**

**Version 1.1**

1. **Description of the implementation tools**

In order to deploy the final and first version of the software, below mentioned tools have been used as an execution platform.

* Ubuntu 16.04/Windows/Linux/Mac OS
* Python 3+ as a programming language
* All Basic Python Libraries

1. **Mandatory Python Libraries**

* Python 3+ as programming language
* Nltk (for both version)
* BeautifulSoup (for both version)
* pandas (for both version)
* Stanford Tagger (for both version)
* WordNet
* Numpy (for both version)
* Other basic python libraries
* Scikitlearn
* Wikipedia (for first version only)
* Jupyter Notebook (for first version only)
* Google Cloud Service for Google Translation (for second version only)

1. **Way to run the program**

In order to run the final version as well as the first version please make sure above-mentioned packages are installed properly

To run the program by using the windows OS, user can chose any of the following method,

1. By using python IDLE
2. By using the command prompt

**Steps to run the final version by using windows command prompt**

* Download the “FinalReportAndCodeByGroup6.zip” file.
* Unzip the file to a suitable directory.
* Make sure all the files inside the FinalReportAndCodeByGroup6 are preserved properly and no file has been altered, deleted, and misplaced
* Change the directory

The command to change the directory is as follows (Assume that file has been downloaded at desktop)

>cd C:\Users\UserName\Desktop\ FinalReportAndCodeByGroup6\Final\_Code\Code\_for\_Version2\_Final\_Version\com

*Note: Please use the local user name at the place of UserName*

* Run the code by using the below mentioned command

For Windows

> python Facts\_Check.py

**Steps to run the final version by using Python IDLE.**

* Download and unzip the “FinalReportAndCodeByGroup6.zip” file into desktop.
* Open the python IDLE select the Facts\_Check.py file by using

file🡪open🡪desktop🡪FinalReportAndCodeByGroup6🡪Final\_Code🡪Code\_for\_Version2\_Final\_Version🡪com

* Run the file

1. **Way to install the necessary Python Libraries**

**BeautifulSoup**

$ apt-get install python3-bs4 [for ubuntu],

> pip3 install beautifulsoup4 [from command prompt

**lxml**

$ sudo apt-get install python3-lxml [for ubuntu],

> pip3 install lxml [for windows]

**Installing NLTK**

NLTK requires Python versions 2.7, 3.4, 3.5, 3.6, or 3.7

Mac/Unix

1. Install NLTK: run sudo pip install -U nltk
2. Install Numpy (optional): run sudo pip install -U numpy
3. Test installation: run python then type import nltk

For older versions of Python it might be necessary to install setuptools (see <http://pypi.python.org/pypi/setuptools>) and to install pip (sudo easy\_install pip).

Windows

These instructions assume that you do not already have Python installed on your machine.

32-bit binary installation

1. Install Python 3.7: <http://www.python.org/downloads/> (avoid the 64-bit versions)
2. Install Numpy (optional): <https://www.scipy.org/scipylib/download.html>
3. Install NLTK: <http://pypi.python.org/pypi/nltk>
4. Test installation: Start>Python37, then type import nltk

**Installing pandas from PyPI**

pip install pandas

**Installation of numpy by using Ubuntu & Debian**

sudo apt-get install python-numpy python-scipy python-matplotlib ipython ipython-notebook python-pandas python-sympy python-nose

**To install the WordNet**

pip install wordnet

**To install the wikipedia**

pip install wikipedia

**To install google translate using pip command**

pip install googletrans

To configure the google cloud service and to use the google translation please go through the link https://pypi.org/project/googletrans/