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

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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

2. 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)

3. 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

4.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-n otebook 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/