USER INSTRUCTION FILE

Below are steps you need to take to setup and execute the notebook:

1. Download the Anaconda installed from www.anaconda.com and follow the instructions present on the website
2. We will also need to install *TensorFlow* and *keras* libraries to execute our notebook
3. This can be done by opening the conda terminal and typing the following
    a. conda install keras
    b. conda install TensorFlow
4. You will then need to download the notebooks – *ProjectCode.ipynb* and *ProjectCodeNeuralNetwork.ipynb* and put it in your notebook folder.
5. Launch the Jupyter Notebook App
6. In the Notebook Dashboard navigate to find the notebook: clicking on its name will open it in a new browser tab.

7. To run this notebook successfully, you will need to import a few libraries that have been included in the code.

```
from sklearn.naive_bayes import MultinomialNB
from sklearn.naive_bayes import BernoulliNB
from sklearn.pipeline import Pipeline
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.feature_extraction.text import TfidfTransformer
from sklearn.linear_model import SGDClassifier
from sklearn.linear_model import LogisticRegression
from nltk.stem.snowball import SnowballStemmer
from nltk import word_tokenize
from nltk.stem import WordNetLemmatizer
from sklearn.neighbors import KNeighborsClassifier
from sklearn.ensemble import RandomForestClassifier
import numpy as np

import matplotlib.pyplot as plt
%matplotlib inline

import nltk
import pandas as pd
import random
from sklearn.model_selection import GridSearchCV
```

8. NOW, you can run all the remaining cells to view the results.