INSINCERE QUESTIONS CLASSIFICATION

By Team B

Introduction

This user-manual shows how to run the NLP application (Insincere Questions Classification) in your local machine.

Requirements

The following software is required to be installed on your local machine.

- Python 3.8
- Ktrain
- Tensorflow
- Streamlit

Step 1:

Install Streamlit framework using 'pip install streamlit', the following message should appear once the installing is finished.

```
Welcome to Streamlit!

If you're one of our development partners or you're interested in getting
personal technical support or Streamlit updates, please enter your email
address below. Otherwise, you may leave the field blank.

Email: _
```

Step 2:

Ensure that you have the necessary application files in the following folder structure:

- streamlit.py
- TeamB_predictor (Folder)
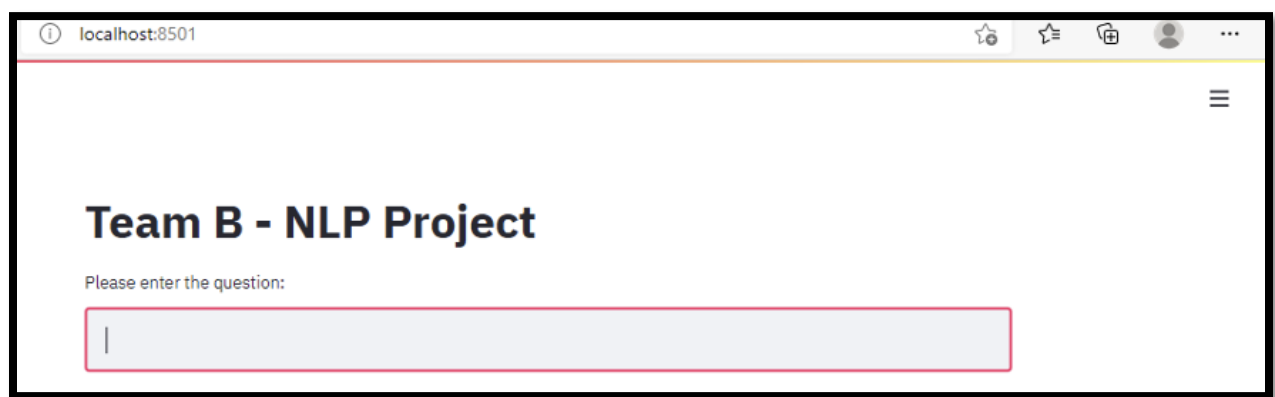   - tf_model.h5
    - tf_model.preproc

Step 3:

Run the command line in your python environment:
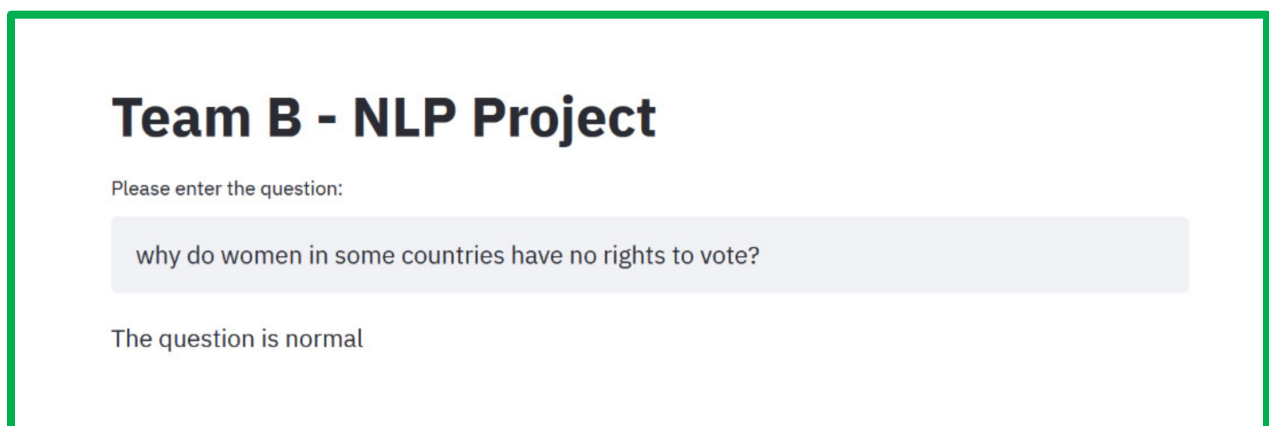
Streamlit run streamlit.py

Step 4:

The default browser shall pop up and run the application in your localhost.

Step 5:

Now you can write any question and press enter to see how the model will output whether the question is insincere or normal. Note that it may take few seconds till you see the result.

Here are a few examples demonstrating the effectiveness of our model

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Please enter the question:

where can I have legal sex with children in madrid?

The question is insincere