

SMS Spam Filter Output

After installing and creating the virtual environment, I connected the project to the environment, installed Flask and ran the app.py file.

```
C:\WINDOWS\system32\cmd.exe - python app.py

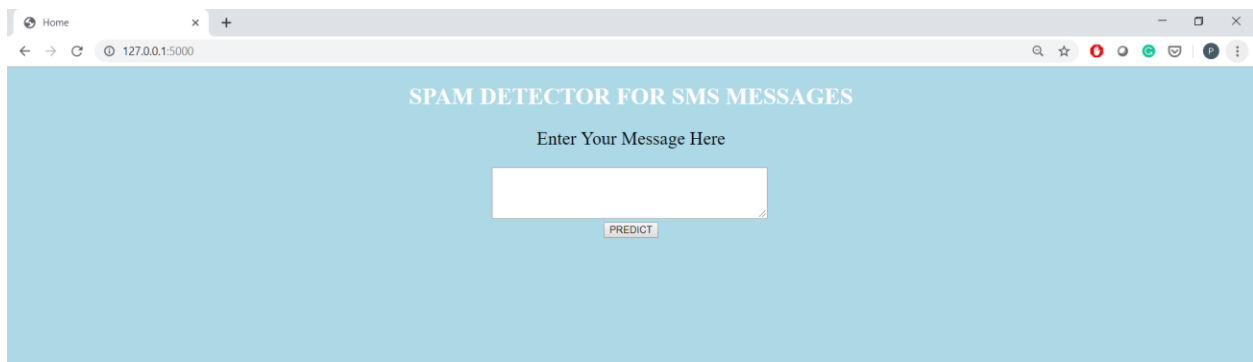
C:\Users\pradn\Desktop>cd Spam_Project

C:\Users\pradn\Desktop\Spam_Project>cd Spam

C:\Users\pradn\Desktop\Spam_Project\Spam>cd ..

C:\Users\pradn\Desktop\Spam_Project>workon Spam
(Spam) C:\Users\pradn\Desktop\Spam_Project\Spam>python app.py
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 954-130-247
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [21/Jun/2019 12:59:52] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [21/Jun/2019 12:59:53] "GET /static/css/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [21/Jun/2019 12:59:53] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [21/Jun/2019 13:01:45] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - - [21/Jun/2019 13:01:46] "GET /static/css/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [21/Jun/2019 13:02:26] "POST /predict HTTP/1.1" 200 -
127.0.0.1 - - [21/Jun/2019 13:02:26] "GET /static/css/styles.css HTTP/1.1" 404 -
```

I then copy paste this URL in the browser to open the web application I created to categorize an SMS message as ham or spam. The screenshot below shows how the web application looks like.

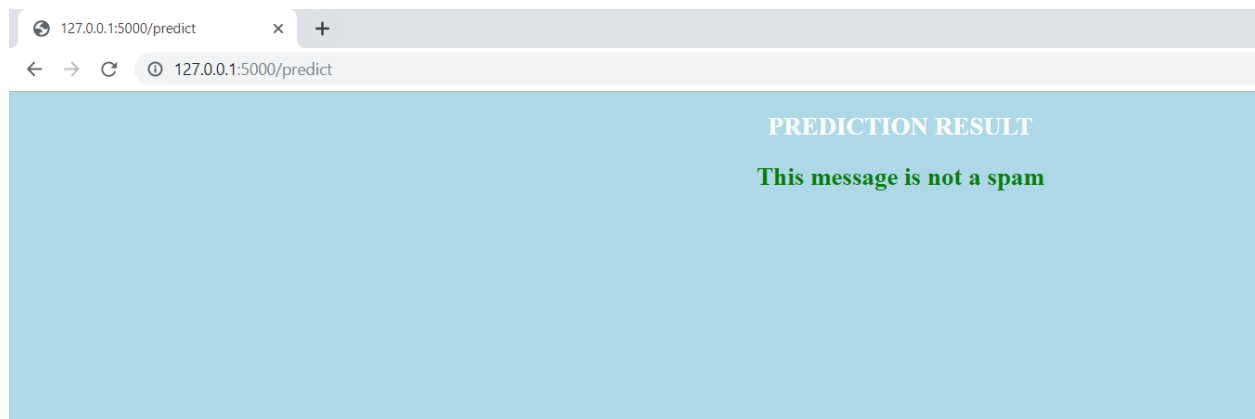


I then enter any message from the spam.csv file to find out if my application can correctly figure out whether the message is spam or ham.



The screenshot shows a web browser window with a single tab titled 'Home'. The address bar displays '127.0.0.1:5000'. The main content area has a light blue background and is titled 'SPAM DETECTOR FOR SMS MESSAGES' in white, bold, uppercase letters. Below the title, the text 'Enter Your Message Here' is centered. A text input field contains the message: 'Go until jurong point, crazy.. Available only in bugis n great world la e buffet... Cine there ga amore wat...'. To the right of the input field is a red circular icon with a white number '4'. Below the input field is a button labeled 'PREDICT'.

Since this message is not a spam the application correctly recognizes that and displays an output "This message is not a spam"

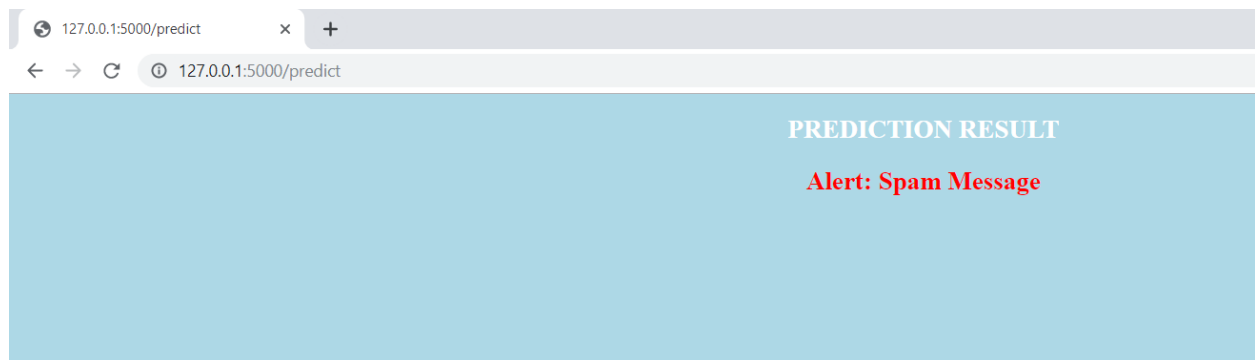


The screenshot shows a web browser window with a single tab titled '127.0.0.1:5000/predict'. The address bar displays '127.0.0.1:5000/predict'. The main content area has a light blue background and is titled 'PREDICTION RESULT' in white, bold, uppercase letters. Below the title, the text 'This message is not a spam' is displayed in green.

I then input another SMS message which is a spam message and see if my application correctly recognizes that



Since this message is a spam the application correctly recognizes that and displays an output “Alert: Spam Message”



This application also correctly recognizes spam messages for your own versions of messages which are not a part of the spam.csv file.