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# WebApp Testing

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## Front-end: Streamlit Testing

Type: Automated testing

Application used: Selenium

Local Ip: 4.174.210.241

Devops: Azure

## Test Outcomes:

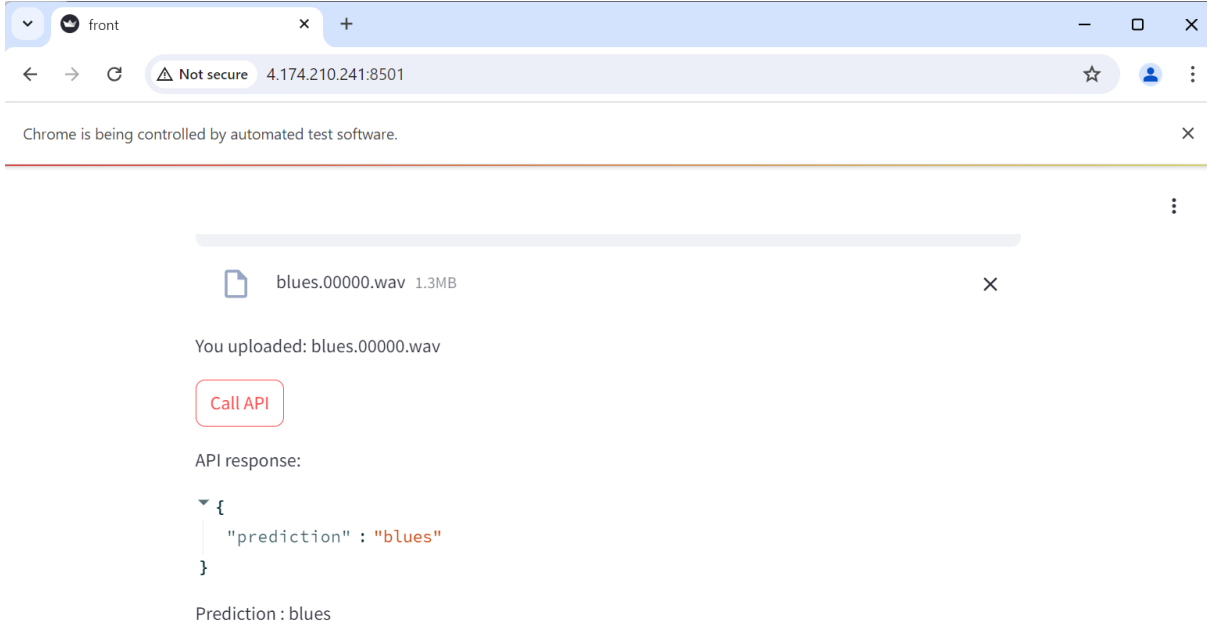
Test Case ID	File Name	Expected Outcome	Actual Outcome	Status	Comments
1	blues00000.wav	Predicted Correct	Predicted Correct	Pass	Okay
2	blues00001.wav	Predicted Correct	Predicted Correct	Pass	Okay
3	hiphop00012.wav	Predicted Correct	Predicted Correct	Pass	Okay
4	hiphop00016.wav	Predicted Correct	Predicted Correct	Pass	Okay
5	pop00010.wav	Predicted Correct	Predicted Correct	Pass	Okay
6	disco00012.wav	Predicted Incorrect	Predicted Incorrect	Pass	Okay
7	disco00008.wav	Predicted Correct	Predicted Correct	Pass	Okay
8	blues00010.wav	Predicted Incorrect	Predicted Incorrect	Pass	Misclassified as a different Genre
9	reggae00010.wav	Predicted Correct	Predicted Correct	Pass	Okay
10	disco00011.wav	Predicted Correct	Predicted Incorrect	Fail	Misclassified as a different Genre

# Screenshots:

## Test case 1:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py
```

DevTools listening on ws://127.0.0.1:53625/devtools/browser/9e39e578-7b42-4b0a-b775-70844ba41cd1  
Created TensorFlow Lite XNNPACK delegate for CPU.



Chrome is being controlled by automated test software.

blues.00000.wav 1.3MB

You uploaded: blues.00000.wav

Call API

API response:

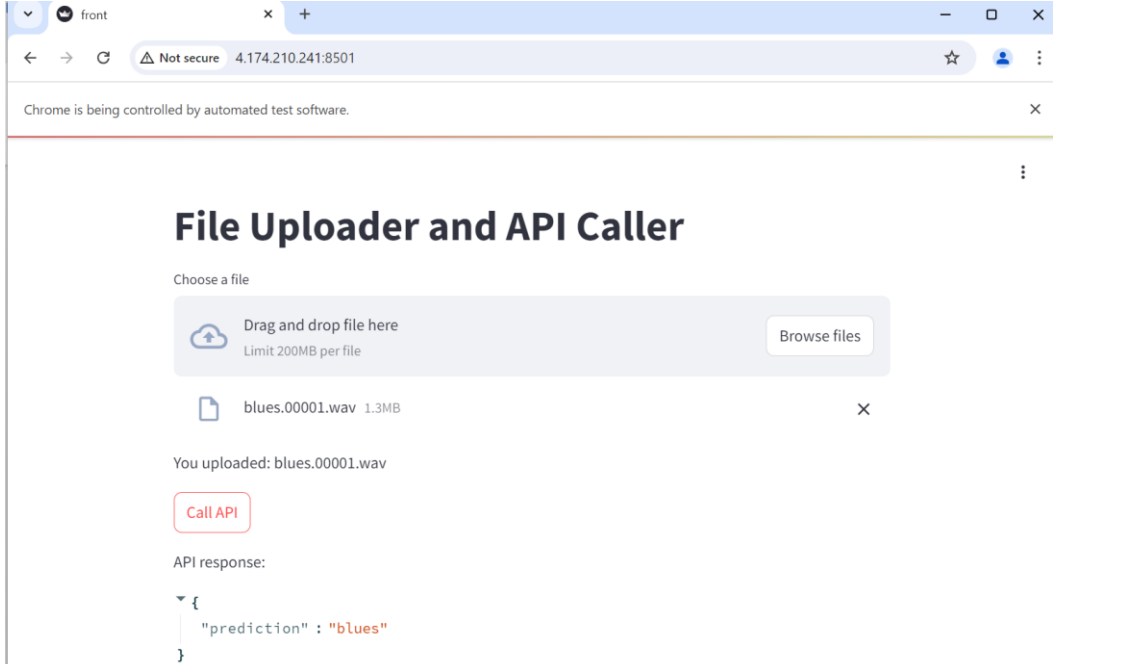
```
{  
  "prediction": "blues"  
}
```

Prediction : blues

## Test case 2:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py
```

DevTools listening on ws://127.0.0.1:54593/devtools/browser/c1fe1a76-7721-4b3b-b2b5-f85bea39cec8



Chrome is being controlled by automated test software.

### File Uploader and API Caller

Choose a file

Drag and drop file here  
Limit 200MB per file

Browse files

blues.00001.wav 1.3MB

You uploaded: blues.00001.wav

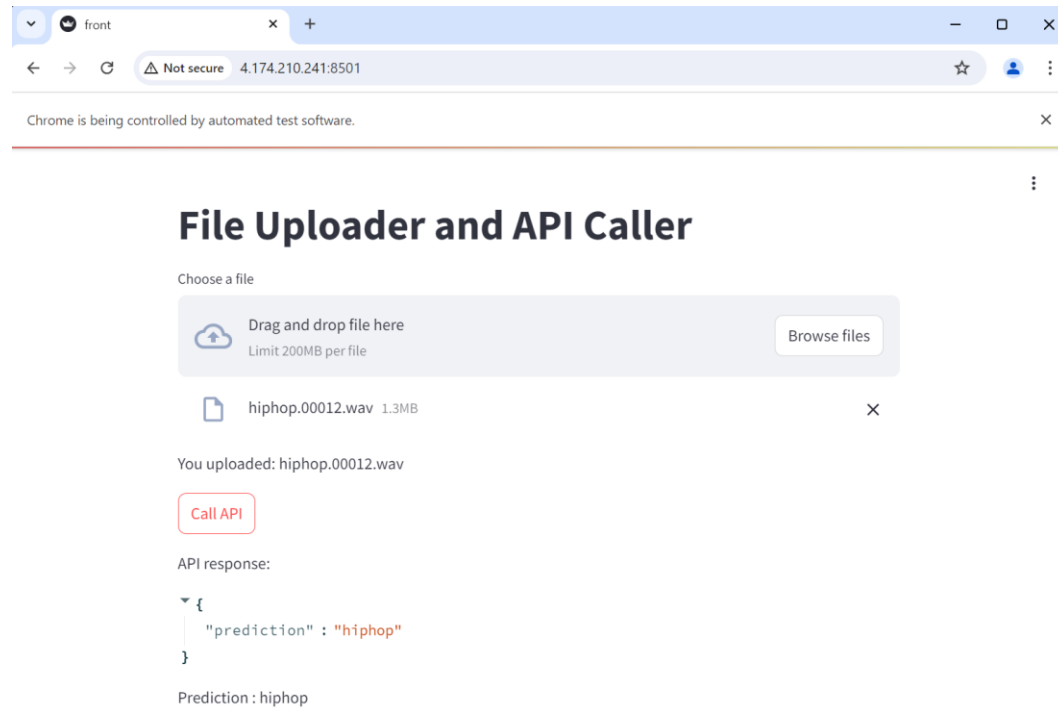
Call API

API response:

```
{  
  "prediction": "blues"  
}
```

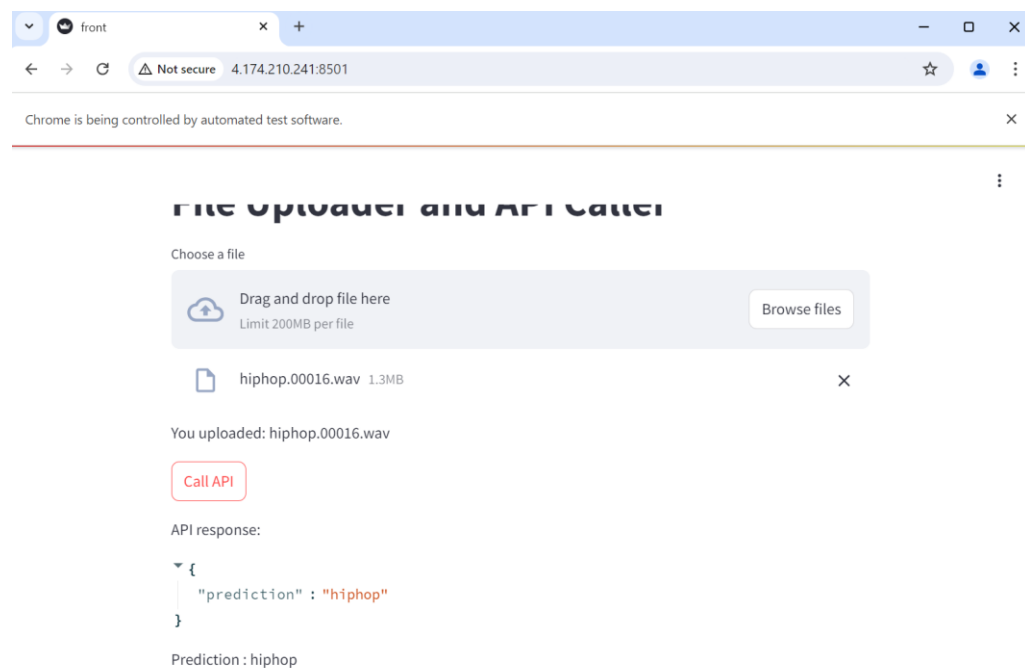
### Test case 3:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py  
DevTools listening on ws://127.0.0.1:55149/devtools/browser/097e6537-4c1e-47f7-8f6b-ba87c8beb3d9
```



### Test case 4:

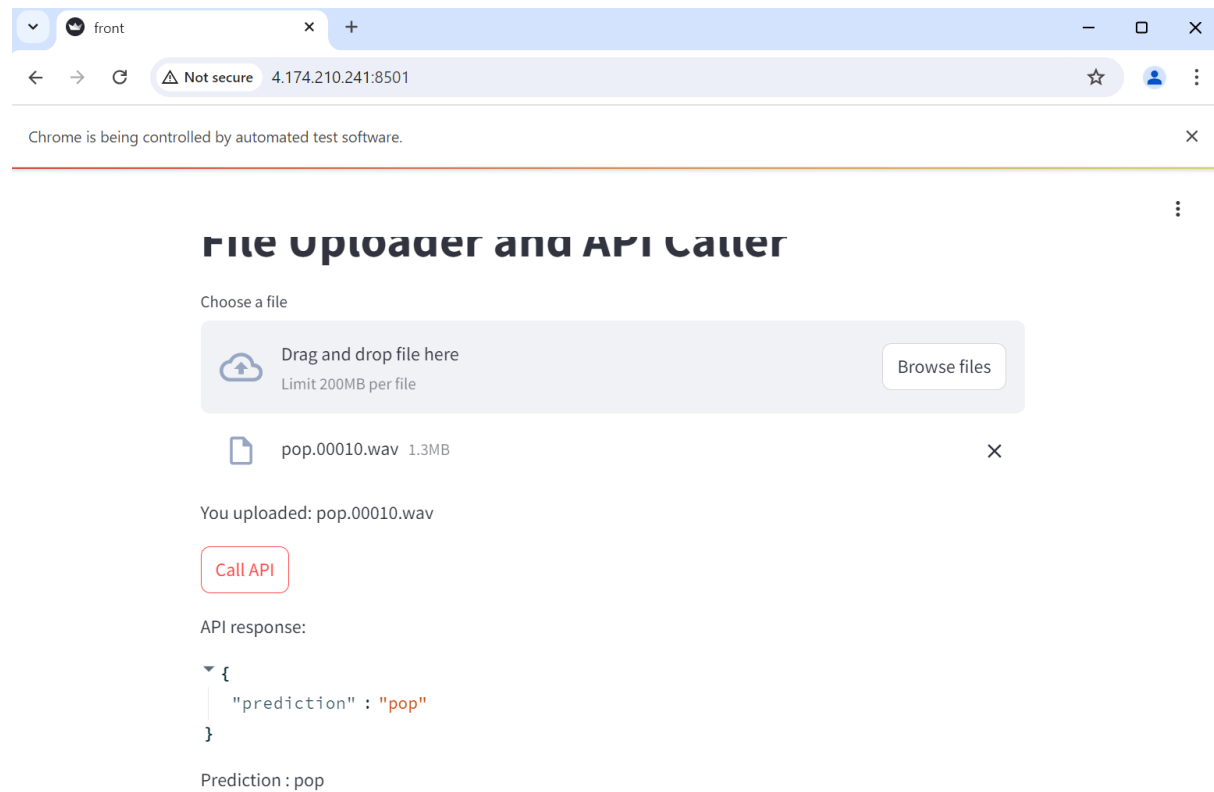
```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py  
DevTools listening on ws://127.0.0.1:54894/devtools/browser/08d59d44-92fe-46b4-b084-742db1560be6
```



## Test case 5:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py
```

DevTools listening on ws://127.0.0.1:55006/devtools/browser/dd556851-c894-4b0c-a9e5-d4fd3789967a  
Created TensorFlow Lite XNNPACK delegate for CPU.



The screenshot shows a web browser window with a single tab titled 'front'. The address bar displays 'Not secure 4.174.210.241:8501'. A message at the top states 'Chrome is being controlled by automated test software.' The main content area features a heading 'File Uploader and API Caller'. Below this, there is a section 'Choose a file' with a light blue box containing a cloud icon, the text 'Drag and drop file here' and 'Limit 200MB per file', and a 'Browse files' button. A file named 'pop.00010.wav' (1.3MB) is shown as uploaded. A red 'Call API' button is present. The 'API response:' section shows a JSON object: {'prediction': 'pop'}. Below this, it says 'Prediction : pop'.

File Uploader and API Caller

Choose a file

Drag and drop file here  
Limit 200MB per file

Browse files

pop.00010.wav 1.3MB

You uploaded: pop.00010.wav

Call API

API response:

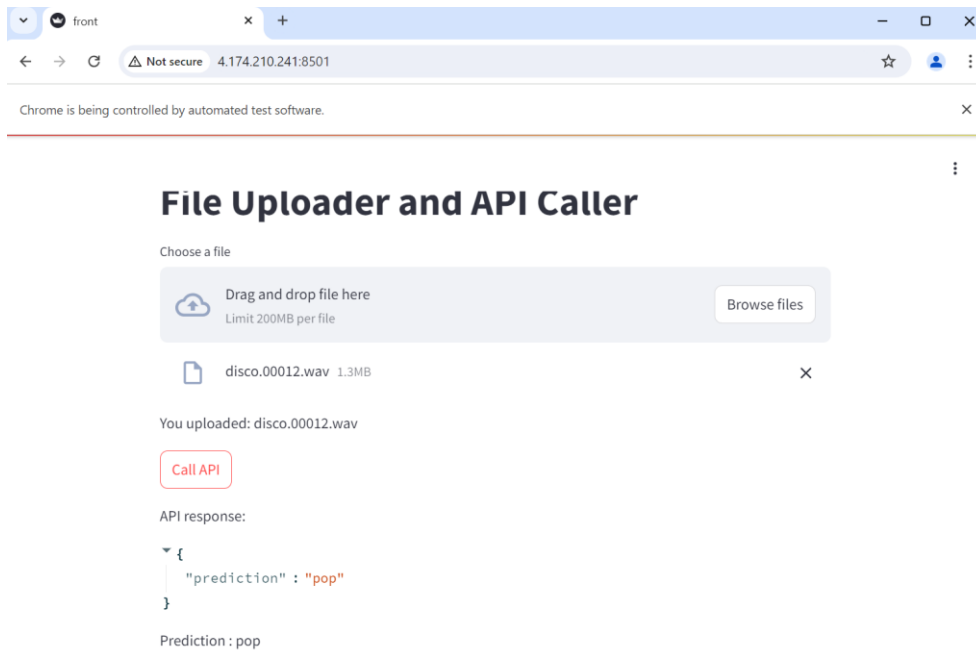
```
{  
  "prediction" : "pop"  
}
```

Prediction : pop

## Test case 6:

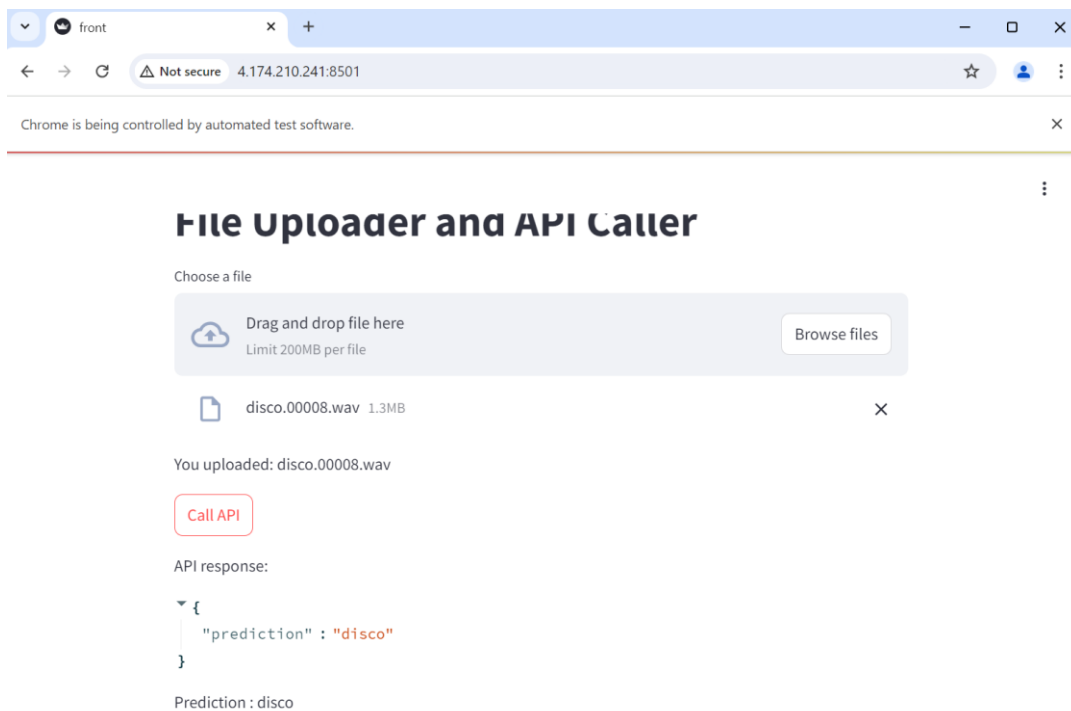
```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py
```

DevTools listening on ws://127.0.0.1:54633/devtools/browser/ef8a17d9-60fa-4a6c-9057-0148bf68d43c  
Created TensorFlow Lite XNNPACK delegate for CPU.



### Test case 7:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py  
DevTools listening on ws://127.0.0.1:55273/devtools/browser/053a5985-aa16-481c-902e-0af05b1a25c1  
Created TensorFlow Lite XNNPACK delegate for CPU.
```



### Test case 8:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py  
DevTools listening on ws://127.0.0.1:55355/devtools/browser/859b43da-1d1e-4d91-8c90-bce411e9b0b5  
Created TensorFlow Lite XNNPACK delegate for CPU.
```

front x +

Not secure 4.174.210.241:8501

Chrome is being controlled by automated test software.

## File Uploader and API Caller

Choose a file

Drag and drop file here  
Limit 200MB per file

Browse files

blues.00010.wav 1.3MB

You uploaded: blues.00010.wav

Call API

API response:

```
{  
  "prediction": "classical"  
}
```

Prediction : classical

Test case 9:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py  
DevTools listening on ws://127.0.0.1:55481/devtools/browser/224ba0b6-5453-49c2-b08a-cca8ad341e04  
Created TensorFlow Lite XNNPACK delegate for CPU.
```

front x +

Not secure 4.174.210.241:8501

Chrome is being controlled by automated test software.

## File Uploader and API Caller

Choose a file

Drag and drop file here  
Limit 200MB per file

Browse files

reggae.00010.wav 1.3MB

You uploaded: reggae.00010.wav

Call API

API response:

```
{  
  "prediction": "reggae"  
}
```

Prediction : reggae

Test case 10:

```
C:\Users\praha\Desktop\DIRECTED_STUDIES_PROJECT\MODEL>python test_app.py  
DevTools listening on ws://127.0.0.1:55578/devtools/browser/a5caec9a-e858-425d-8e6e-35dd7f5ef0c4  
Created TensorFlow Lite XNNPACK delegate for CPU.
```



## File Uploader and API Caller

Choose a file



Drag and drop file here  
Limit 200MB per file

Browse files



disco.00011.wav 1.3MB



You uploaded: disco.00011.wav

Call API

API response:

```
{  
  "prediction" : "disco"  
}
```

Prediction : disco