



# Boom AI Assessment

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**#4 - Go through Deepgram's documentation and script out, using python, a realtime speech-to-text transcription service. The code itself is literally on the front page of the website. If you still can't find it, I have linked another reference here. You can sign up for free credits in order to get an API token.**

- Demonstrate, using your mic, that you are able to perform live transcription from speech and display the text either in a terminal or a simple web UI.
- As part of the transcription service, identify the keywords that end in a vowel and append a "-v" to that word. (don't build a machine learning model. Just perform classic deterministic identification)
  - Transcript "The quick brown fox" becomes "The-v quick brown fox"
- As part of the transcription service, identify the keywords that end in a consonant and append a "-c" to that word. (don't build a machine learning model. Just perform classic deterministic identification)
  - Transcript "The quick brown fox" becomes "The-v quick-c brown-c fox-c"
- Bonus points: Host it on a free AWS EC2/GCP VM/DigitalOcean Droplet

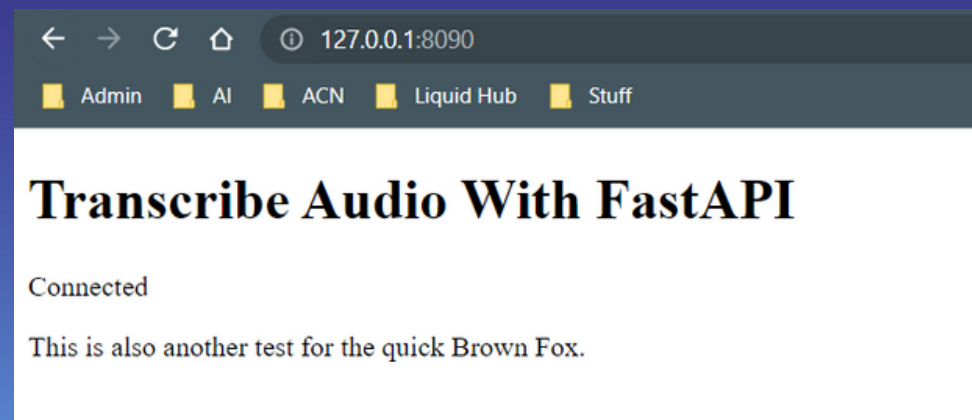
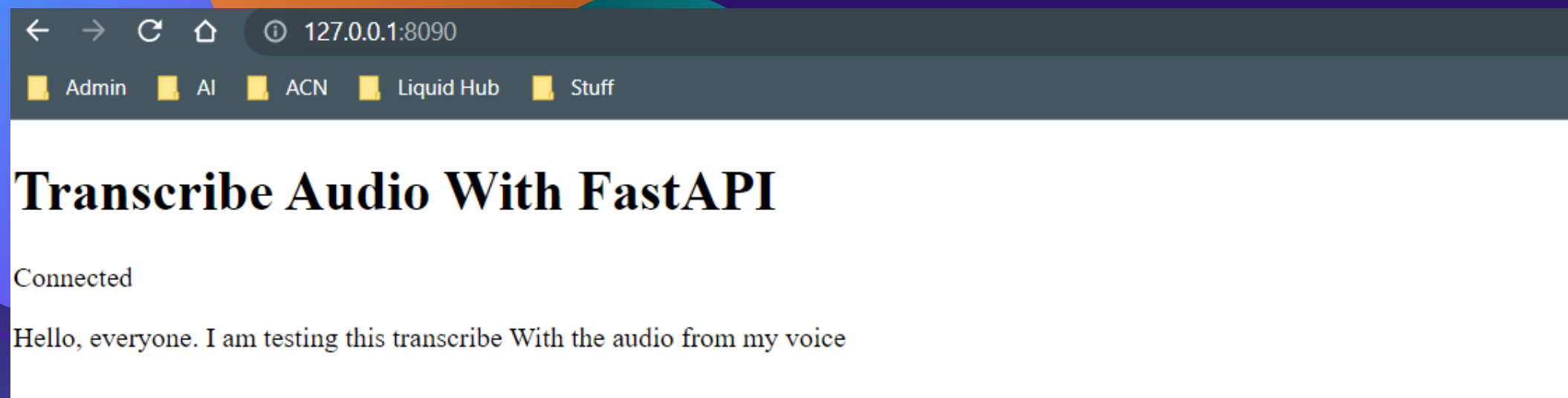
## **Solution Reference:**

<https://github.com/verlonsalaysay/deepgram-transcribe>

- **Demonstrate, using your mic, that you are able to perform live transcription from speech and display the text either in a terminal or a simple web UI.**

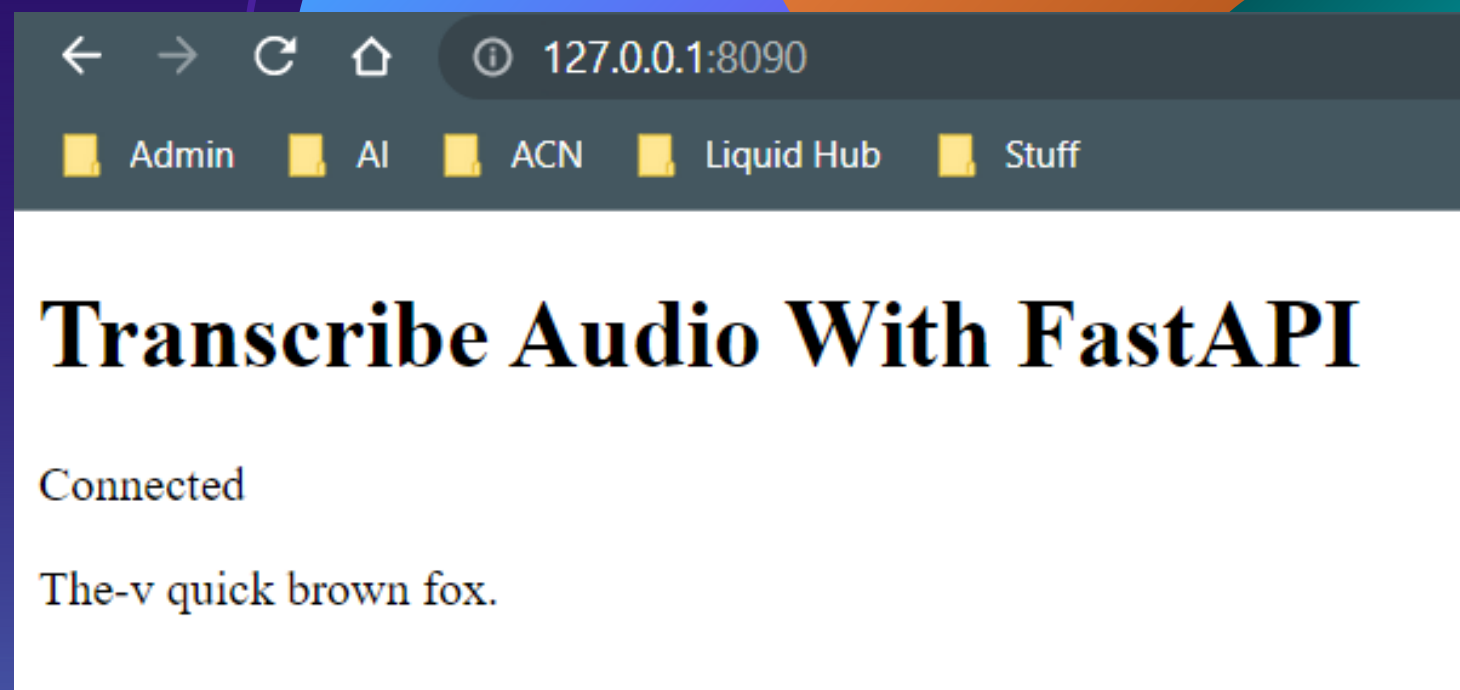
```
C:\windows\system32\cmd.exe - uvicorn main:app --reload --port 8090

(env) C:\Users\verlon.p.salaysay\deepgram>uvicorn main:app --reload --port 8090
[32mINFO[0m: Will watch for changes in these directories: ['C:\\Users\\verlon.p.salaysay\\deepgram']
[32mINFO[0m: Uvicorn running on http://127.0.0.1:8090 (Press CTRL+C to quit)
[32mINFO[0m: Started reloader process [36m29524[0m using [36m1mWatchFiles[0m
[32mINFO[0m: Started server process [36m29172[0m
[32mINFO[0m: Waiting for application startup.
[32mINFO[0m: Application startup complete.
```





- **As part of the transcription service, identify the keywords that end in a vowel and append a “-v” to that word. (don’t build a machine learning model. Just perform classic deterministic identification)**
  - **Transcript “The quick brown fox” becomes “The-v quick brown fox”**



- **As part of the transcription service, identify the keywords that end in a consonant and append a “-c” to that word. (don’t build a machine learning model. Just perform classic deterministic identification)**
  - **Transcript “The quick brown fox” becomes “The-v quick-c brown-c fox-c”**

