

FINAL PROJECT - VIRTUAL MC

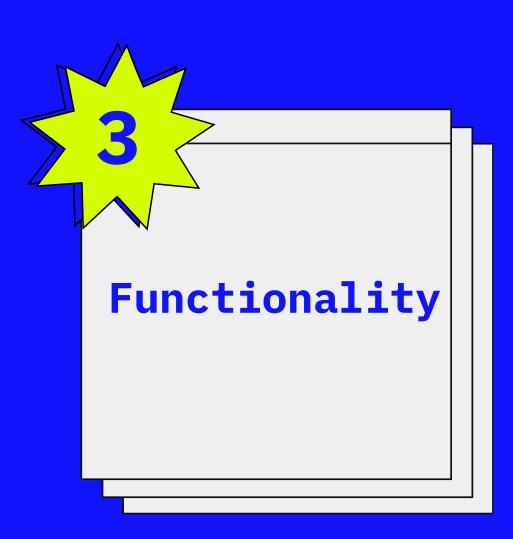
Group 3 - Applied Data Science

CONTENTS



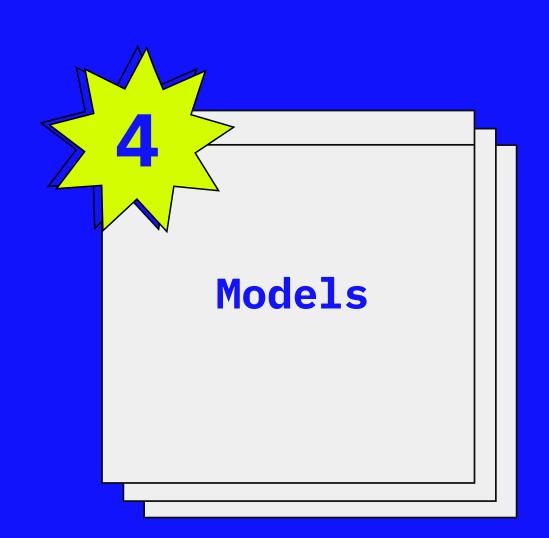






CONTENTS







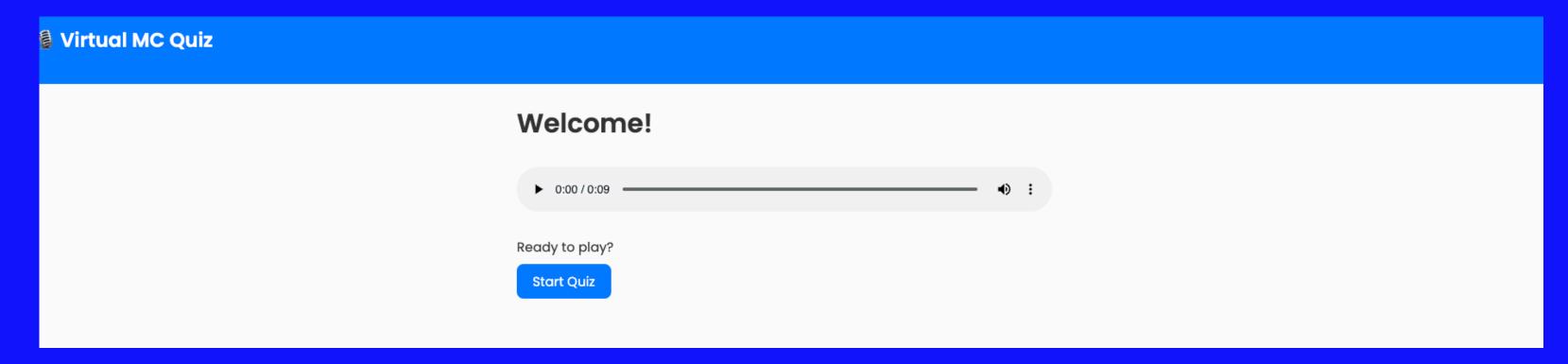




OVERVIEW

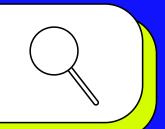
OVERVIEW





Starting screen

OVERVIEW



Virtual MC Quiz	
	Question 2
	Tallest mountain in the world?
	▶ 0:00 / 0:11 →
	Time remaining: 30s
	○ Everest
	○ K2
	○ Kangchenjunga
	O Makalu
	Submit
	♠ hello
	Hello there! Welcome to this stream where I'm Kelvin, your MC. Let's make it a fun ride as we chat and share some laughs along the way. So, what do
	you think of my jokes? 😜
	Type a comment Send

Quiz game screen



FILE ORGANIZATION

FILE ORGANIZATION



```
virtual_mc2/
- LLm/
    ___pycache__/
   ├— __init__.ру
    └─ Lm_client.py
 ├── static/
    ├─ audio/
   — answer.js
    └─ quiz.js
  - templates/
    — answer_feedback.html
    — base.html
    — index.html
    └─ quiz.htmL
  - tts/
    ___pycache__/
    └─ Local_f5/
    — check.py
    ├─ config.yaml
    ├─ generate_audio.py
    — output.wav
    — server.py
 — main.py
\sqsubseteq requirements.txt
```

FILE ORGANIZATION



User Interface: HTML + CSS + Javascript

Deploying F5-TTS: FastAPI

Deploying LLM Model: LM Studio



FUNCTIONALITY

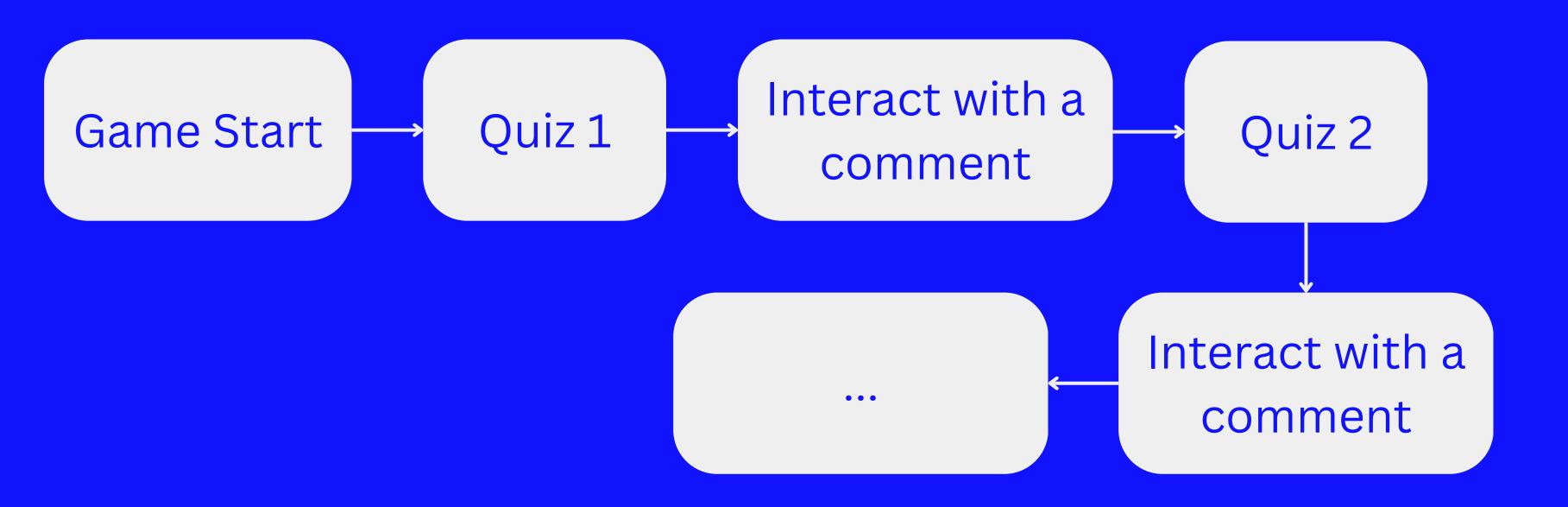
FUNCTIONALITY



Quiz Game

Interacting with comments

FLOW





MODELS

MODELS

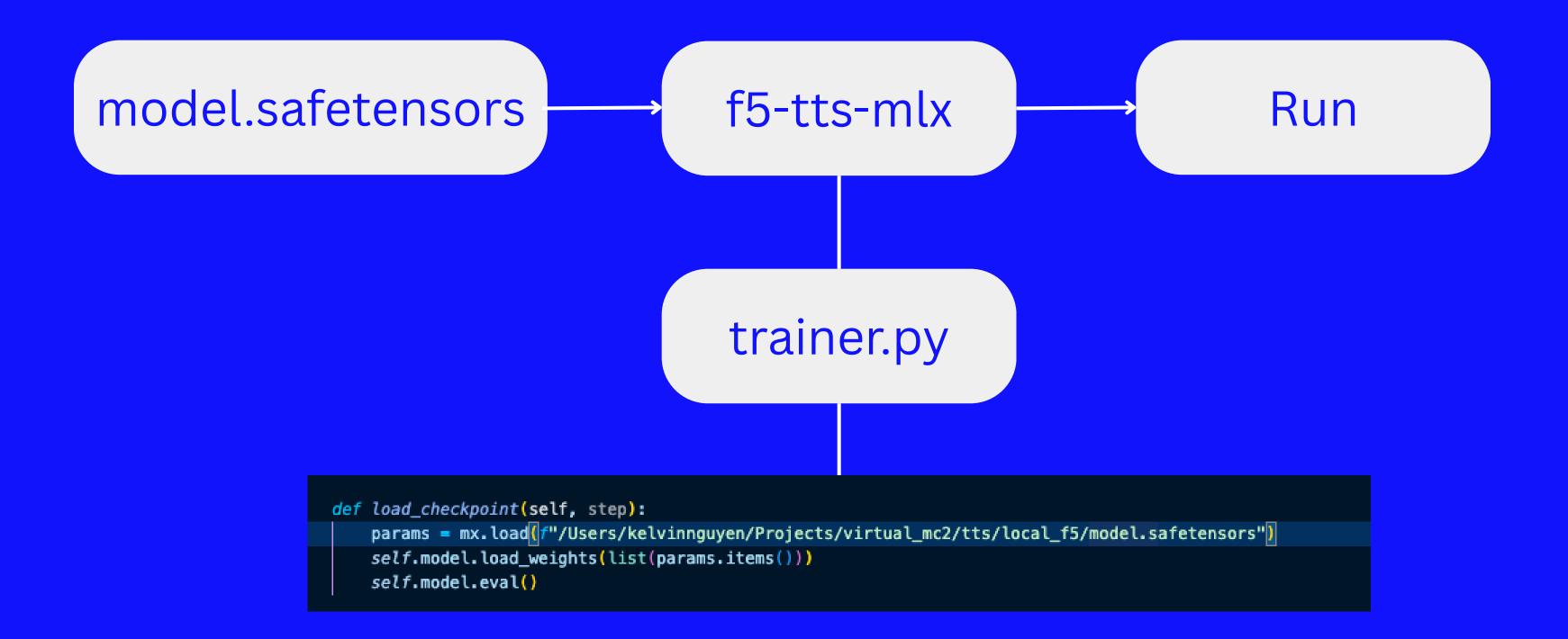


F5-TTS

Nyagpt Qwen 2 7B v0.1

F5-TTS





NYAGPT QWEN 2 7B VO.1



Particular for streaming answer in English

Optimized with prompting



TRAINIGE PROCESS

F5-TTS



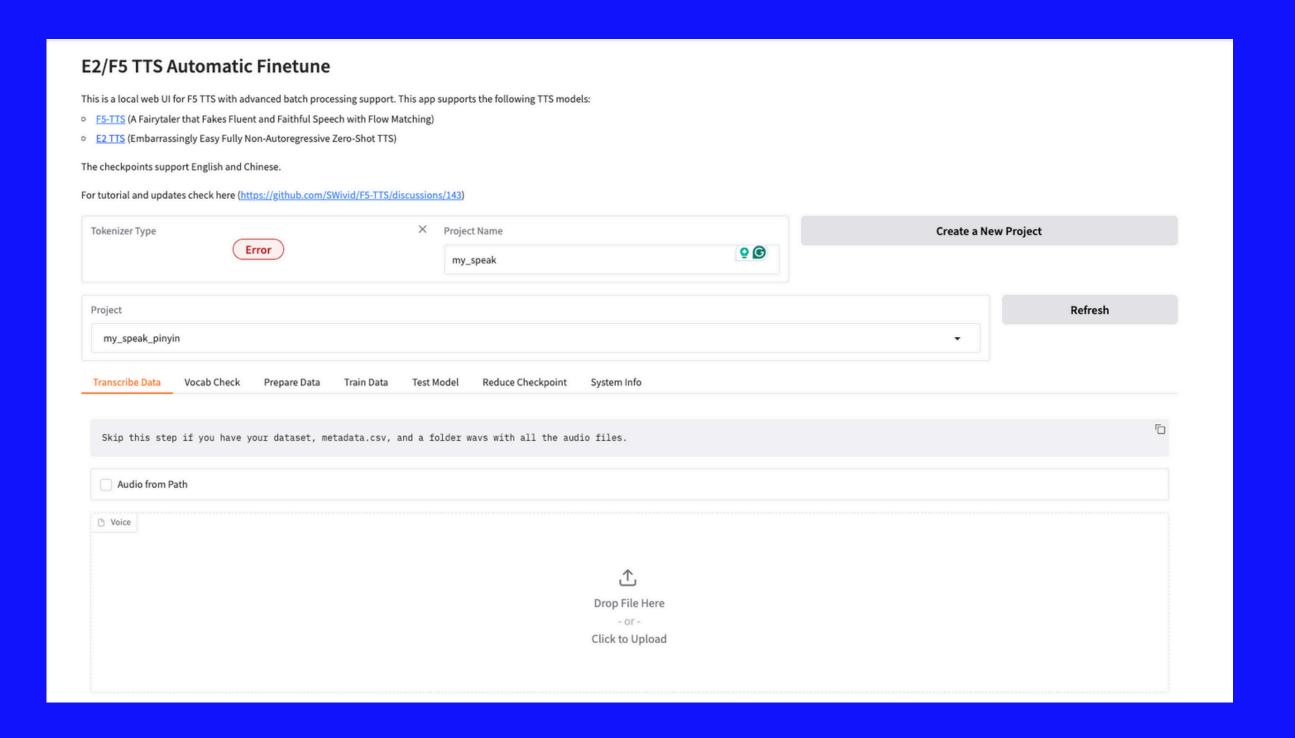
Dataset: Emilia-English

Small sample : ≈25 h audio from 46k hours

Training period: ~17 days

F5-TTS







DEMO VIDEO



<u>Link</u>



FOR WATCHING

