GLB Model Generator with Multiple Variations

Project Overview

This project demonstrates how to automatically extract and download 3D models in GLTF/GLB format from online sources.
Using a Python script, I successfully collected **22 GLB models**, saved them locally, and opened them in 3D viewers like Blender and Don McCurdy's GLTF Viewer.

Problem Statement

Many 3D assets are stored online in GLTF/GLB format but cannot be downloaded directly. Manually collecting them is slow and error-prone.
This project solves that by **automating the detection and download** of GLB models, making the process faster and scalable.

Tools & Technologies

- Python 3

- Requests (for downloading files)

- Regex (for finding .glb links)

- File Handling (saving models locally)

- 3D Viewers: Blender & Don McCurdy's GLTF Viewer
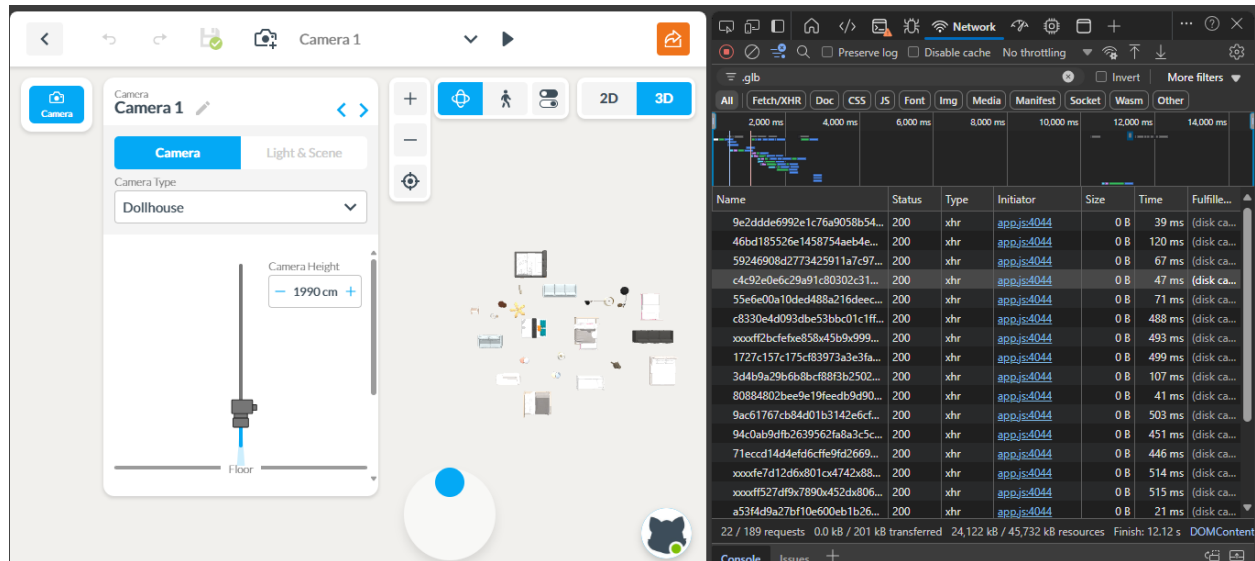
How It Works

1. Inspect network requests in the browser to find .glb file links.

2. Use Python with Regex to collect all model URLs automatically.

3. Download and save files with clean filenames.

4. Open models in a GLTF/GLB viewer to verify.

Results

- ✅ Successfully downloaded **22 GLB models**

- ✅ All files opened correctly in viewers

- ✅ Automated a complex manual task with Python

Key Skills Demonstrated

- Web Data Extraction

- File Download Automation

- Working with 3D Model Formats (GLTF/GLB)

- Debugging & Problem-Solving

model_1.glb	9/30/2025 3:08 PM	GLB File	745 KB
model_2.glb	9/30/2025 3:08 PM	GLB File	833 KB
model_3.glb	9/30/2025 3:08 PM	GLB File	403 KB
model_4.glb	9/30/2025 3:08 PM	GLB File	906 KB
model_5.glb	9/30/2025 3:08 PM	GLB File	546 KB
model_6.glb	9/30/2025 3:08 PM	GLB File	833 KB
model_7.glb	9/30/2025 3:08 PM	GLB File	1,798 KB
model_8.glb	9/30/2025 3:08 PM	GLB File	1,628 KB
model_9.glb	9/30/2025 3:08 PM	GLB File	1,346 KB
model_10.glb	9/30/2025 3:08 PM	GLB File	376 KB
model_11.glb	9/30/2025 3:08 PM	GLB File	312 KB
model_12.glb	9/30/2025 3:08 PM	GLB File	297 KB
model_13.glb	9/30/2025 3:08 PM	GLB File	1,602 KB
model_14.glb	9/30/2025 3:08 PM	GLB File	122 KB
model_15.glb	9/30/2025 3:08 PM	GLB File	267 KB
model_16.glb	9/30/2025 3:08 PM	GLB File	2,848 KB
model_17.glb	9/30/2025 3:08 PM	GLB File	351 KB
model_18.glb	9/30/2025 3:08 PM	GLB File	3,657 KB
model_19.glb	9/30/2025 3:08 PM	GLB File	884 KB