🧪 Skill Assessment Assignment (Template & Automation Focused)

This assignment reflects **real work expected in this role**.
It tests **template design, automation logic, web skills, and creative problem-solving**.

Assignment Goal

Create an **automated, parameterized ad video template** for a **Live Wallpaper mobile application**.

You may choose **any** of the following for video composition:

- FFmpeg

- MoviePy

- Remotion

The focus is on **template logic**, not infrastructure.

Ad Template Specification

The template must generate an ad with **three scenes**:

Scene 1 – Live Wallpaper Preview

- Phone mockup displaying the **input wallpaper**

- Voiceover introduces the wallpaper using the **god name**

- God name pronunciation must be correct for the selected language

---

Scene 2 – App Showcase

- App interface showing **multiple live wallpapers**

- Assets may be mocked

- Voiceover highlights variety and experience

Scene 3 – Play Store Install

- Phone showing the **Play Store listing**

- Simulated install flow

- Localized CTA voiceover

Input Parameters

```
{
  "wallpaper": "image_or_video",
  "god_name": "string",
  "language_code": "string"
}
```

These parameters must drive:

- Script generation

- Voiceover language

- Visual composition

- Scene timing

Technical Expectations

Template Design

- Clean, reusable structure

- Parameter-driven scene logic

- Easy to extend for new variations

Script & Voice

- Scene-aware script generation

- Integration with ElevenLabs **or a clean abstraction**

- Thoughtful handling of audio duration

Video Rendering

- Proper scene transitions

- Audio–visual synchronization

- Background music handling

Web / Tooling

Implement **at least one**:

- Minimal web UI for input selection

- API endpoint to generate the ad

- CLI tool for running templates

Evaluation Criteria

Area	What We Evaluate
Python Skills	Automation logic & structure
Web Skills	Practical internal tooling
Video Knowledge	FFmpeg / MoviePy / Remotion usage
Template Thinking	Reusability & flexibility
AI Integration	Clean, practical usage
Problem Solving	Handling timing & variability

Time Expectation

⏱️ **24–48 hours**

Submission Requirements

- Code repository

- README explaining:

    - Template structure

    - Parameter handling

    - Trade-offs made

- Sample generated video(s)