**Showcase Video Script: AI Storyboarder**

**Total Duration:** 9 minutes 30 seconds  
**Format:** .mp4  
**Target Audience:** Future students of Creative Media & Game Technology, instructors  
**Objective:** To demonstrate the functionality, design, relevance, and interactivity of the AI Storyboarder prototype, while highlighting the use of AI technologies, their real-world impact, and addressing ethical and financial considerations.

**Scene 1: Introduction (0:00 – 0:45)**

**Duration:** 45 seconds  
**Visuals:**

* Fade in from black to a title card: **"AI Storyboarder – A Creative Tool Powered by AI"** in bold white text on a blue gradient background. Below, in smaller text: **"Elective Artificial Intelligence, CMGT GTVB22ELAI, [Your Name]."**
* Transition to a screen recording of the AI Storyboarder interface (index.html), panning across the input fields and buttons.
* An inset video of the student (you) appears in the bottom-right corner, speaking to the camera with a friendly smile.

**Audio:**

* **Background Music:** Soft, uplifting instrumental track (e.g., royalty-free "Inspiring Technology").
* **Voiceover (Student):**  
  "Hello, I’m Alex, and welcome to my showcase video for the AI Storyboarder project, created for the Artificial Intelligence Elective course. This tool uses AI to revolutionize storyboarding, making it faster and more accessible for creators. In the next few minutes, I’ll show you how it works, the technology behind it, its impact, and some important considerations."

**Scene 2: Problem Statement and Relevance (0:45 – 1:30)**

**Duration:** 45 seconds  
**Visuals:**

* Split-screen: Left side shows a stock image of a traditional storyboard artist sketching; right side shows a screenshot of the AI Storyboarder interface with a generated storyboard.
* Animated text overlay fades in: **"Traditional Storyboarding: 5–10 hours. AI Storyboarder: 5 minutes."**
* Cut to a screen recording of the "Story Idea" input field being filled with text.

**Audio:**

* **Background Music:** Continues softly.
* **Voiceover:**  
  "Storyboarding is a key step in filmmaking, animation, and game design, but it’s often slow and requires drawing skills. The AI Storyboarder solves this by generating detailed storyboards in just minutes. It’s a time-saver for professionals and a creative boost for students and hobbyists alike."

**Scene 3: Technology Overview (1:30 – 2:30)**

**Duration:** 1 minute  
**Visuals:**

* A simple diagram appears: Two boxes labeled **"GPT-3.5-turbo (Text)"** and **"DALL·E 3 (Images)"** connect with arrows to a central box, **"AI Storyboarder."**
* Transition to a code snippet from app.py (e.g., the API call to OpenAI), shown in a code editor with syntax highlighting.
* Cut to a blurred screenshot of the OpenAI API dashboard (to avoid showing sensitive keys).

**Audio:**

* **Background Music:** Slightly more dynamic.
* **Voiceover:**  
  "The AI Storyboarder is powered by two AI models from OpenAI. GPT-3.5-turbo generates scene descriptions, dialogue, and emotions, while DALL·E 3 creates matching images. The backend runs on Flask, a Python framework, and the frontend uses HTML, CSS, and JavaScript for a seamless experience. To use it, you need an OpenAI API key, which integrates into the app for real-time generation."

**Scene 4: Demo – Generating a Storyboard (2:30 – 5:30)**

**Duration:** 3 minutes  
**Visuals:**

* **2:30 – 3:00:** Screen recording of the interface.
  + Type into the "Story Idea" field: **"A detective solving a mystery in a rainy city."**
  + Add character details: **"Name: Detective Lee, Appearance: trench coat, Personality: sharp-witted."**
  + Select **"noir"** style and **"close-up"** camera angle, then click **"Generate Storyboard."**
  + Show the loading spinner briefly.
* **3:00 – 4:00:** Display the generated storyboard.
  + Zoom in on Scene 1: **"Detective Lee staring at a clue, close-up, feeling intrigued."**
  + Highlight the AI-generated image (e.g., a noir-style detective in the rain).
  + Scroll to Scene 2: **"Lee walking down a dark alley, wide shot, feeling tense."**
  + Show dialogue: **"The answer’s out there somewhere."**
* **4:00 – 5:00:** Demonstrate interactivity.
  + Click **"Regenerate Shot"** on Scene 1’s image, showing a new variation.
  + Click **"Add Shot Below"** to insert a new shot in Scene 2.
  + Click **"Download"** to save an image, showing it in a folder.
  + Toggle between light and dark mode with a smooth transition.
* **5:00 – 5:30:** Experiment with variety.
  + Change style to **"cartoon,"** regenerate, and show the new cartoon-style images.

**Audio:**

* **Background Music:** Upbeat and lively.
* **Voiceover:**  
  "Let’s see it in action. I’ll input a story: a detective solving a mystery in a rainy city. I’ll add Detective Lee, select a noir style, and generate the storyboard. In seconds, I get three scenes with shots, descriptions, and images—like this close-up of Lee with a clue. I can regenerate shots for new options, add more shots to a scene, or download images for my project. The interface even offers dark mode. Now, switching to a cartoon style gives it a totally different vibe—showing how versatile the tool is!"

**Scene 5: Design and Interactivity (5:30 – 6:30)**

**Duration:** 1 minute  
**Visuals:**

* Split-screen: Light mode on the left, dark mode on the right, both showing the same generated storyboard.
* Animated arrows point to buttons: **"Generate," "Regenerate," "Add Shot," "Download."**
* Zoom in on a shot card, highlighting the image, description, and camera angle layout.

**Audio:**

* **Background Music:** Calm and steady.
* **Voiceover:**  
  "The AI Storyboarder’s design is intuitive and responsive, working on any device. Features like light and dark modes improve usability, while interactive buttons let you tweak your storyboard easily. Each shot card is neatly organized with all the details—like camera angles and dialogue—making it a practical tool for creators."

**Scene 6: Real-World Impact and Experimentation (6:30 – 8:00)**

**Duration:** 1 minute 30 seconds  
**Visuals:**

* Stock footage of a film crew reviewing a storyboard on set.
* Cut to a screen recording of the AI Storyboarder’s output, focusing on a generated image.
* Text overlay: **"80% faster than traditional methods."**
* Side-by-side comparison: A hand-drawn sketch vs. an AI-generated noir image.

**Audio:**

* **Background Music:** Slightly dramatic.
* **Voiceover:**  
  "This tool has real potential in creative industries. It cuts storyboarding time by up to 80%, helping filmmakers plan shoots or game designers visualize scenes. During development, I experimented with styles like noir and cartoon to test the AI’s range. I learned that clear prompts get the best results, and the tool’s output rivals traditional sketches—proving AI can be a reliable creative partner."

**Scene 7: Challenges, Ethics, Costs, and Future Improvements (8:00 – 9:00)**

**Duration:** 1 minute  
**Visuals:**

* Screenshot of an error (e.g., **"API rate limit exceeded"** from Flask logs).
* Transition to an image of a generated character (e.g., Detective Lee), with a text overlay: **"Potential Bias: Stereotypical Depictions?"**
* Cut to a mockup of a PDF storyboard exported from the tool, with a text overlay: **"Future Features: PDF Export, Real-Time Editing, Open-Source AI."**
* End with a screenshot of the OpenAI pricing page (blurred for privacy), with text: **"API Costs: $0.02–$0.06 per image."**

**Audio:**

* **Background Music:** Reflective tone.
* **Voiceover:**  
  "Developing this tool came with challenges. I hit API rate limits, requiring delays, and vague prompts sometimes gave odd results. Ethically, AI can introduce biases—like stereotypical character depictions—which requires careful monitoring. Financially, OpenAI’s API costs, at 2 to 6 cents per image, can add up for frequent use, limiting scalability. Moving forward, I’d add PDF export for sharing, real-time image editing, and explore open-source AI to reduce costs, making it more sustainable for professionals."

**Scene 8: Conclusion (9:00 – 9:30)**

**Duration:** 30 seconds  
**Visuals:**

* Return to the title card: **"AI Storyboarder – A Creative Tool Powered by AI."**
* Overlay text: **"Created by [Your Name] | Elective Artificial Intelligence 2025."**
* Fade to a final screen recording of a cartoon-style storyboard.
* End with **"Thank You for Watching!"** in white text on a blue background.

**Audio:**

* **Background Music:** Fades out gently.
* **Voiceover:**  
  "The AI Storyboarder blends technology and creativity, offering a fast, flexible way to storyboard. I hope it inspires you to explore AI in your work, while being mindful of its challenges. Thanks for watching!"