

Assignment 09 _ Final _ Sensory Architecture



Final Project Concept: Sensory Architecture

What does a space feel like? What does it sound like? Can AI help us design atmospheres rather than just images?

Project Overview:

Students will develop a multi-sensory architectural experience using ComfyUI as the core generative tool, supplemented by audio tools and LLM narrative generation. The goal is to use AI not just for visualization, but for atmosphere creation evoking emotional, spatial, and temporal qualities.

Deliverables:

Visual Sequence

A series of AI-generated images (8 -10) that express a coherent sensory environment e.g., serenity in a desert temple, tension in a subterranean research lab, warmth in a communal kitchen.

Emersive Sensory Video:

(1) 30 second 1280x1280 pixels video complete with sound track and sound effects

Sound Design:

An ambient audio track or soundscape (30 seconds) that matches the atmosphere of the space

Moodboard / Sensory Palette:

A curated set of textures, materials, lighting conditions, smells, or temperatures (represented visually or textually) to support your environment's "feel."

Process Diagram:

ComfyUI workflow screenshots with annotations showing how they moved from prompt to image, what nodes they explored, and how they manipulated control over the final look.

Written Reflection (300–500 words):

A brief explaining:

What mood/emotion did you aim to create?

How did you craft that experience visually and aurally?

What surprised you about the AI's interpretation and generations?

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Deliverables

- (1) 30 second 1280x1280 pixels video complete with sound track and sound effects
- Produce (1) 36x36 printed sheet with the following deliverables:
 - (1) The Title
 - (1) The Concept Brief and Reflection
 - (1) A Generic Prompt that best summarizes all prompts used throughout the process
 - (1) Moodboard / Sensory Palette
 - (8 -10) Upscaled Large images selected from your results
 - (1) Image showing a summary of all your results
 - (1) ComfyUi Workflow Diagram

Your deliverables should use all the concepts covered in the course so far. For example generate images that have visual mood and style. Experiment with different light types, film types, etc.. Do not settle on the initial images that SD generates. Remember this is an iterative process. Spend time interrogating SD to generate the best possible images to tell your story. Be sure to generate images that become part of a family and look as if they are one cohesive design

Schedule:

April 17th	Concept & Initial Images Due
April 24nd	Draft of all deliverables due (Start 30 second video)
May 01st	30 second video due
May 08th	Final Presentation

Submit:

Bring your 36"x36" print to the Final presentation
Submit all deliverables to the shared drive
Please save your files in a folder Firstname_Lastname
Please save your work as a PDF Firstname_Lastname_Assignment

HOMEWORK ASSIGNMENTS MUST INCLUDE THE FOLLOWING:

- YOUR NAME
- ARCH 490 - AI in Architecture
- SEMESTER / YEAR
- FINAL ASSIGNMENT