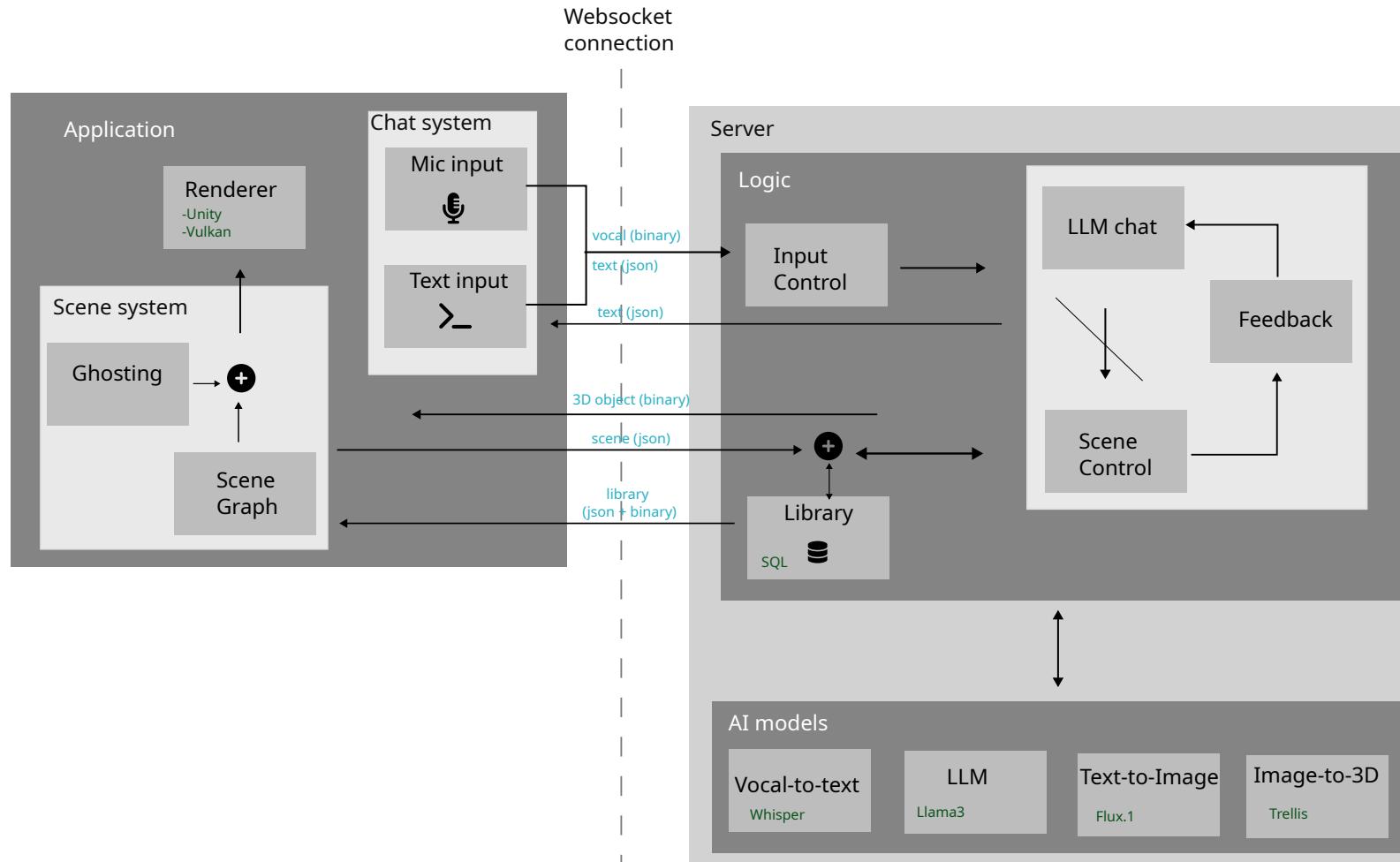
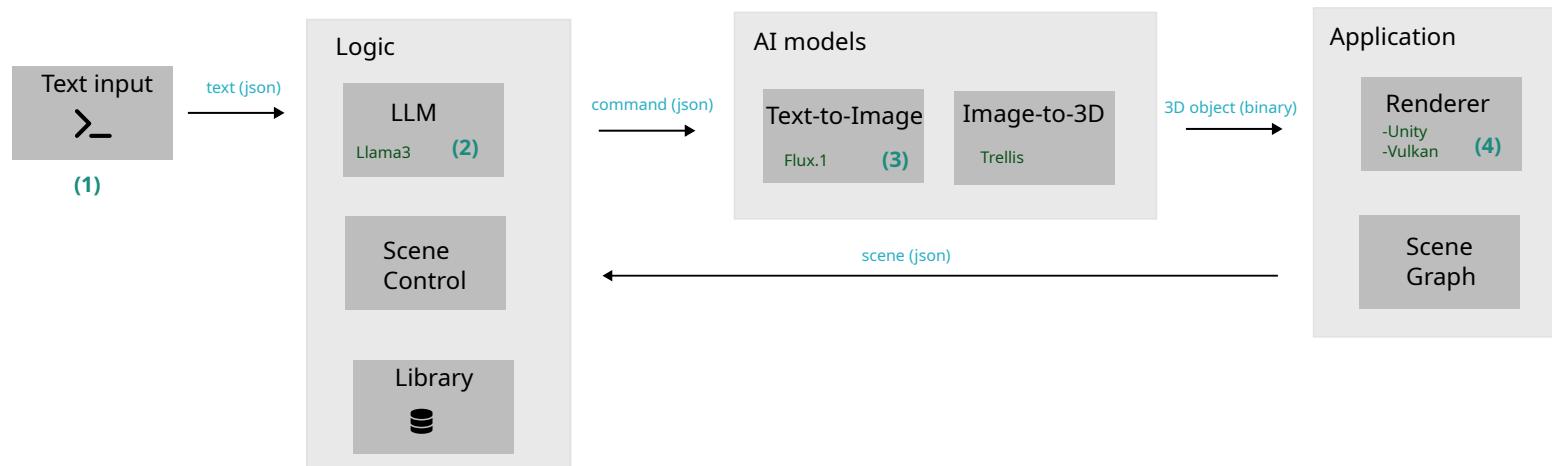


Overall System Architecture



Sprint 1



Example

(1) Initial prompt

Generate a Japanese theatre scene with samurai armor in the center

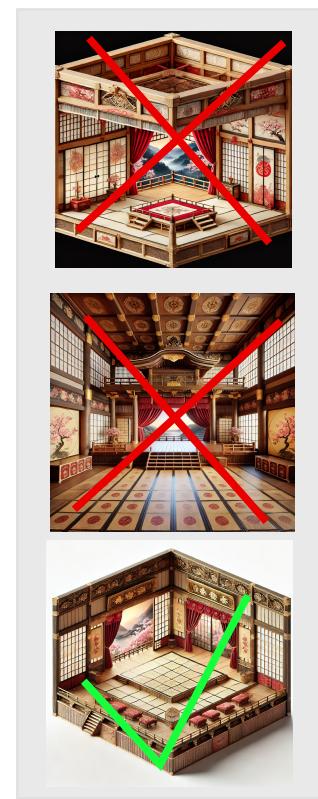
(2) prompt improvement

Generate a traditional Japanese theatre scene with Samurai armor placed in the center of the stage. The room should have wooden flooring, simple red and gold accents, and folding screens in the background. The Samurai armor should be detailed, with elements like the kabuto (helmet) and yoroi (body armor), capturing the essence of a classical Japanese theatre setting.

prompt decomposition

```
{
  "scene": {
    "objects": [
      {
        "name": "theatre_room",
        "type": "room",
        "position": {"x": 0, "y": 0, "z": 0},
        "rotation": {"x": 0, "y": 0, "z": 0},
        "scale": {"x": 20, "y": 10, "z": 20},
        "material": "traditional_wood_material",
        "prompt": "Generate an image a squared traditional Japanese theatre room view from the outside with a distance 3/4 top-down perspective, outside the square room no background featuring intricate wooden flooring, high wooden ceiling beams, elegant red and gold accents, large silk curtains, bamboo poles, folding screens, and a scenic backdrop of mountains and cherry blossoms. The room should capture the essence of classical Japanese theatre, such as Kabuki or Noh, with a serene and elegant atmosphere."
      },
      {
        "name": "hanging_lanterns",
        "type": "mesh",
        "position": {"x": 0, "y": 5, "z": 0},
        "rotation": {"x": 0, "y": 0, "z": 0},
        "scale": {"x": 0.5, "y": 0.5, "z": 0.5},
        "material": "paper_lantern",
        "prompt": "A highly stylized traditional samurai armor, featuring intricate engravings, ornate metal plating, and layered silk and leather components. The armor is adorned with bold patterns, elegant gold and red accents, and an imposing kabuto (helmet) with an exaggerated crest. The design blends historical authenticity with an artistic, almost mythical aesthetic, emphasizing flowing shapes, sharp edges, and an imposing silhouette. The armor stands in a dramatic pose, exuding strength and honor, capturing the essence of the legendary samurai warrior."
      }
    ]
  }
}
```

(3) image selection & validation



(4) Rendu

