

NighttNight

a bedtime story app







Mission

To make every child an author

Chapter 2:
Product Demo

Chapter 3:
Making a Story

Next Steps Selection

- The fox decides to jump over the fence
- Two cows come and try to play soccer with the fox
- The fox decides to sleep until the gatekeeper comes back

Next Steps Selection

User Info

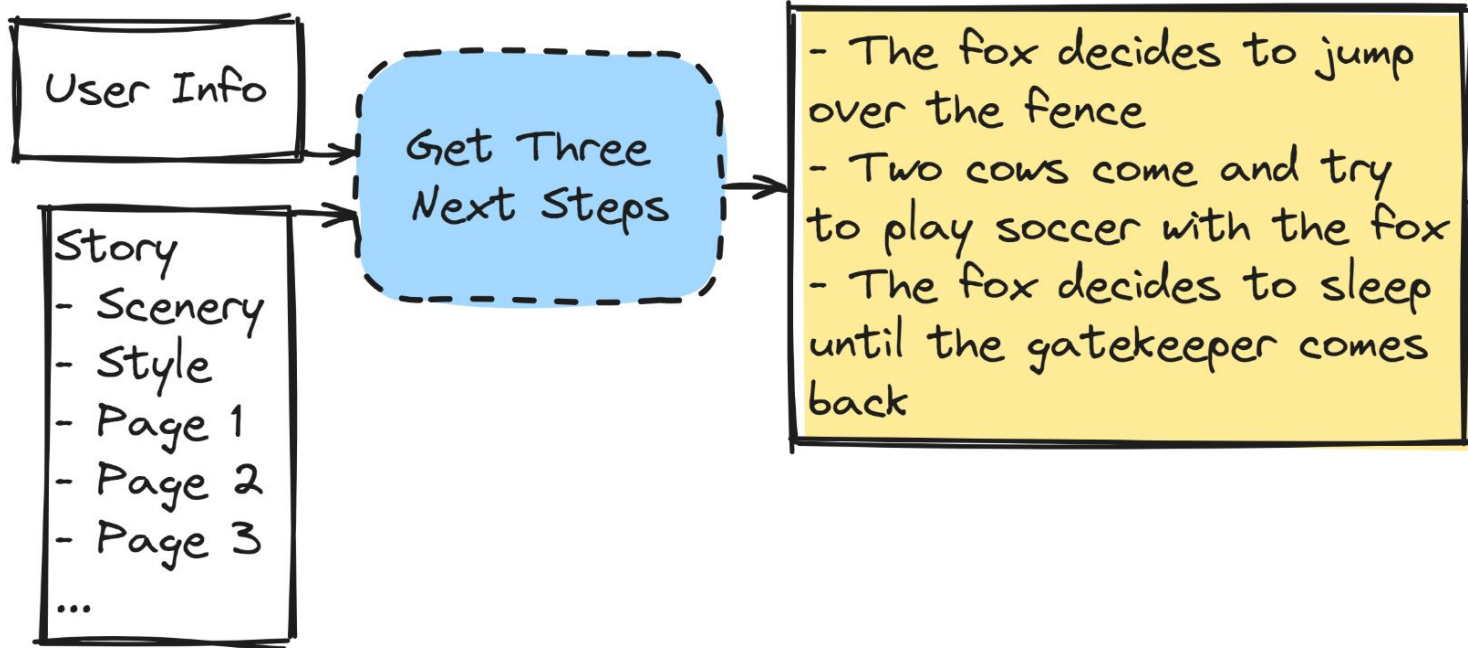
Story

- Scenery
- Style
- Page 1
- Page 2
- Page 3

...

- The fox decides to jump over the fence
- Two cows come and try to play soccer with the fox
- The fox decides to sleep until the gatekeeper comes back

Next Steps Selection



Next Steps Selection



Image Generation

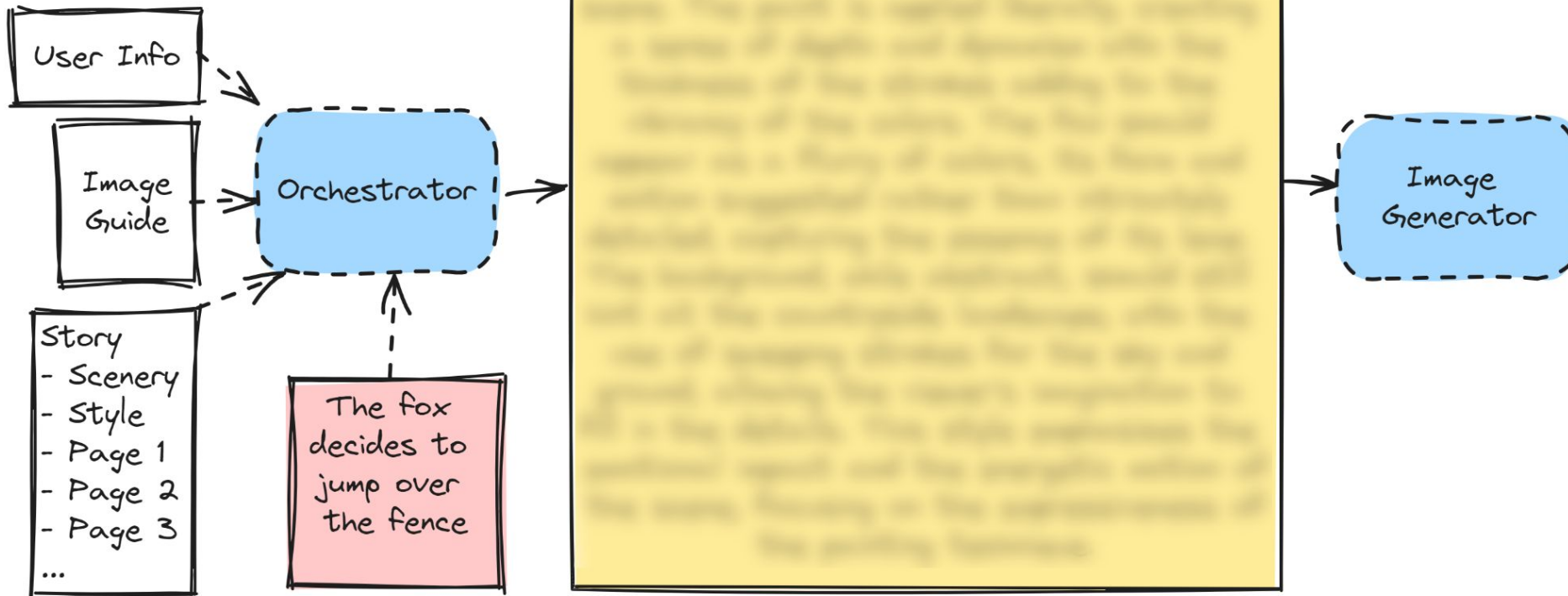


Image Generation

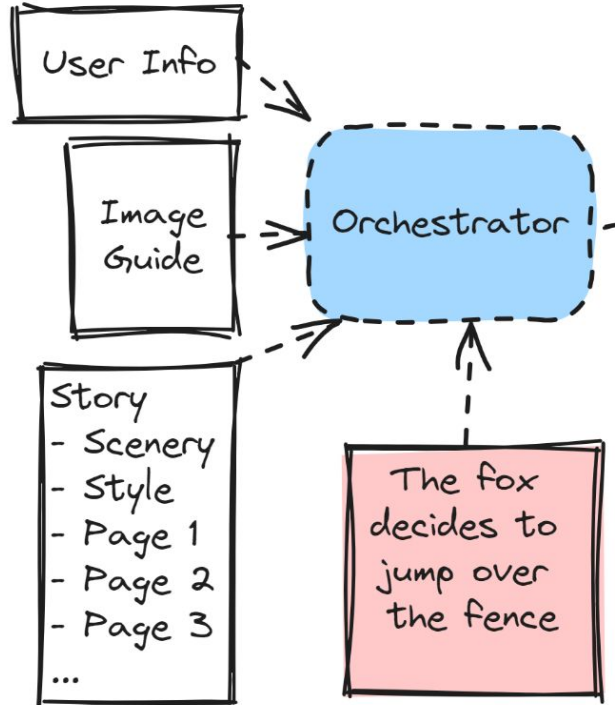


Image Generation

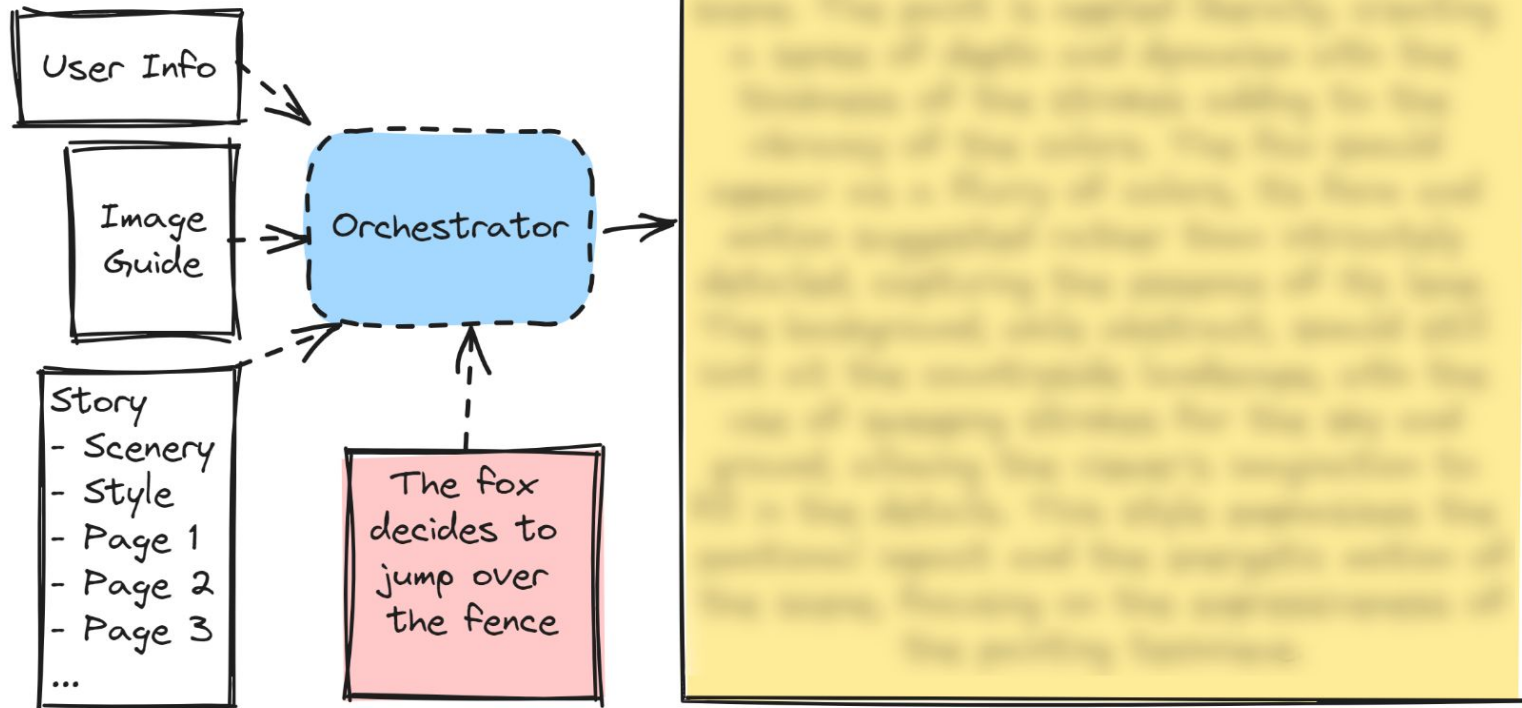
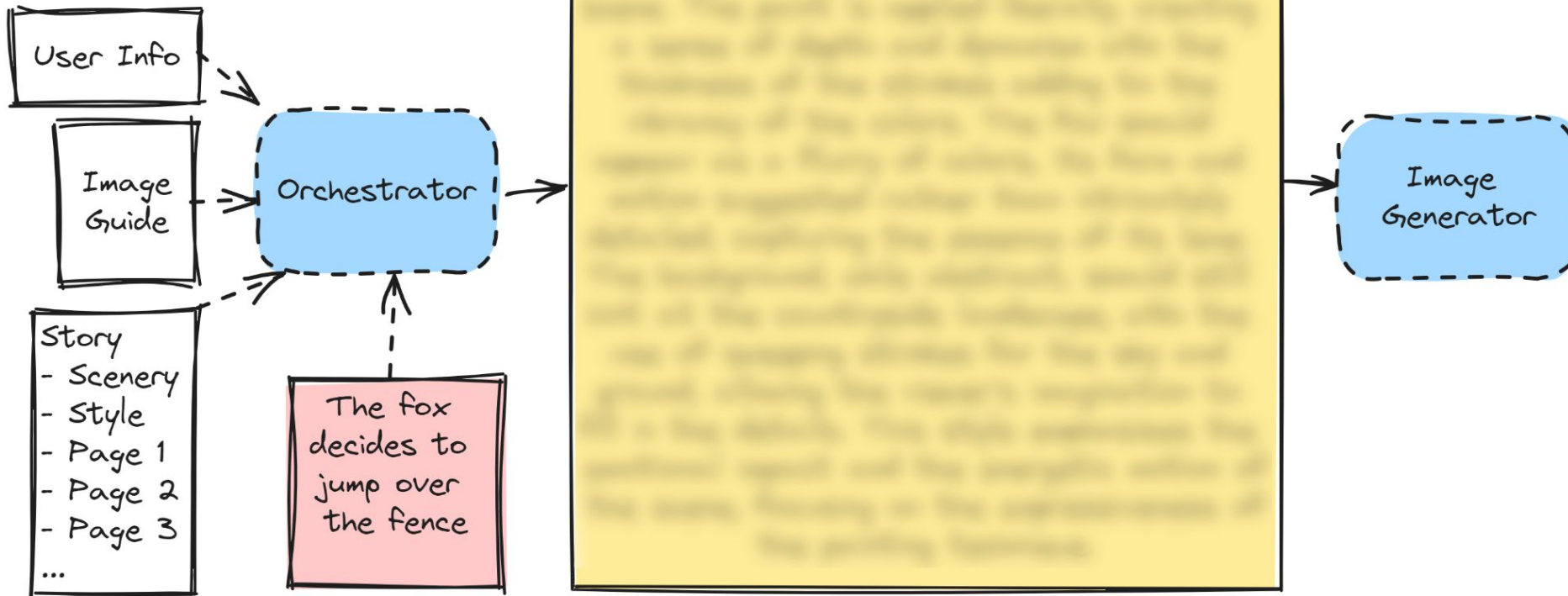


Image Generation



The fox
decides to
jump over
the fence

Style: oil painting
with lots of thick
brush strokes and
drippy paint



Chapter 4:
The Journey

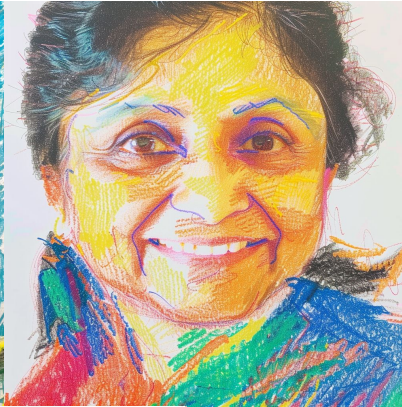
Challenges

Image Consistency

Story Quality/Variety

Integration

Our storytellers



*It is fun to have fun,
but you have to know how!*

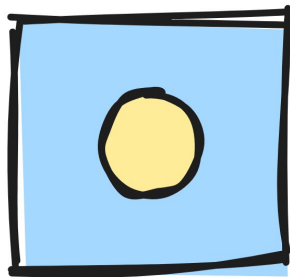
- The Cat in the Hat



Night+Night

Page

- Story Content
- Image Prompt
- Image



Story

- Scenery
- Style
- User Notes
- Image Guide





Next Steps

10,000 Flowers

Chat Interface

Drawings

Next Tech Steps

LLM/Image Model Reselection

Agentic Prompt Optimization

Minimize Latency

LLM as UI

Prompt Pipeline

Input/Output validation

Mockups & Model Tradeoffs

APPENDIX

The fox
decides to
jump over
the fence

Style: old black
and white
photograph



The fox
decides to
jump over
the fence

Style: an 8-bit
nintendo
adventure game



The fox
decides to
jump over
the fence

Style: 1960s
cartoon

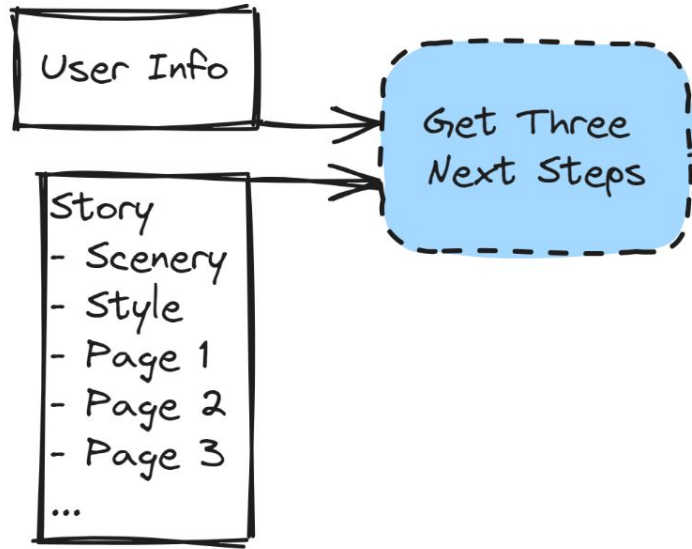


The fox
decides to
jump over
the fence

Style: yarn based
art



Next Step Idea Generation



Next Step Idea Generation

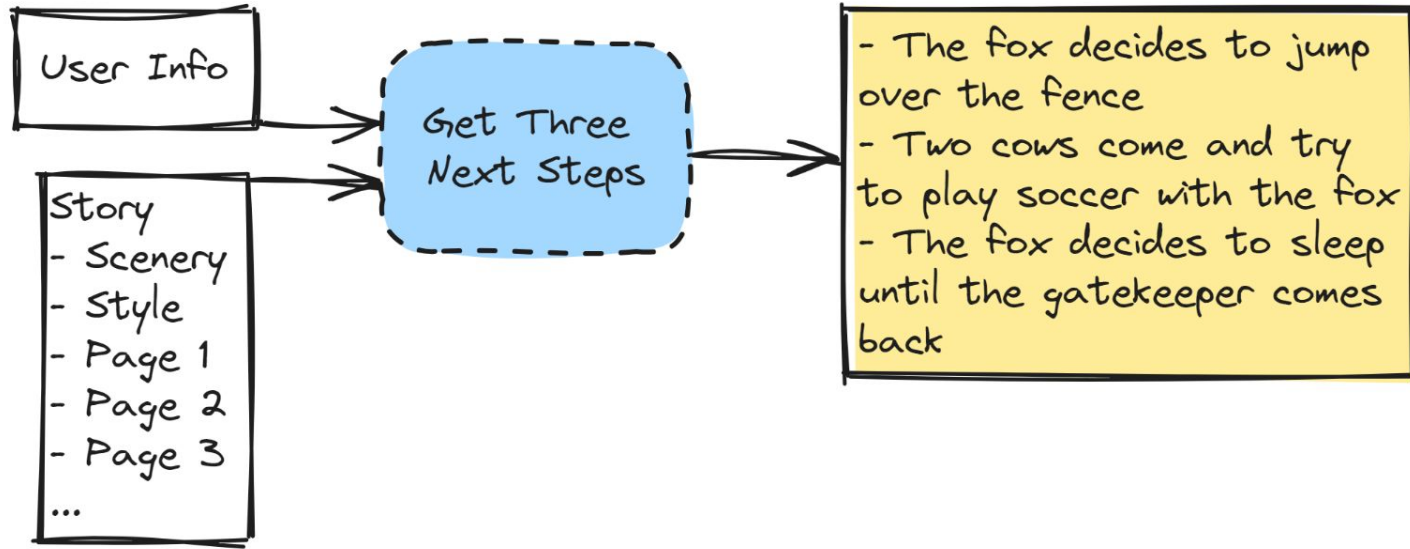
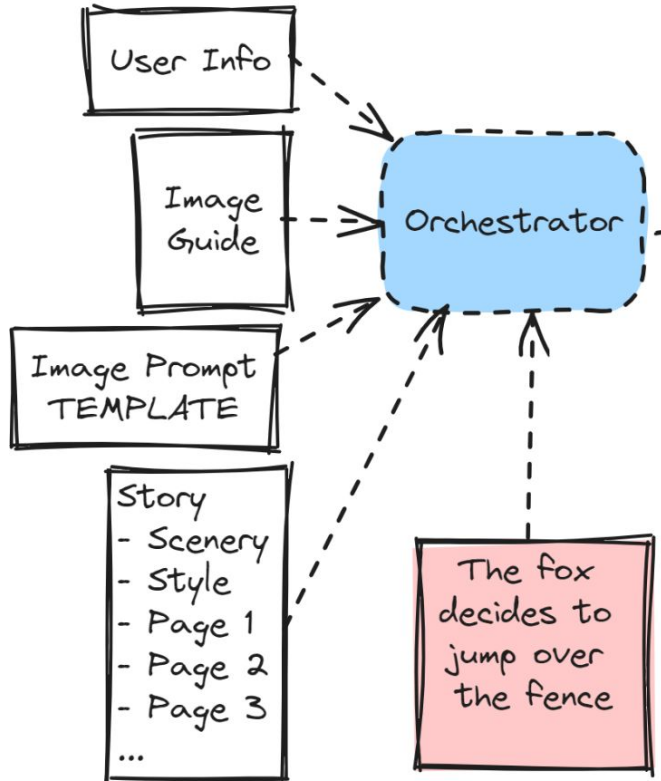
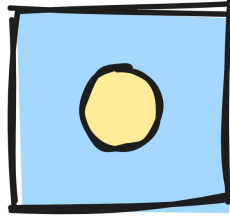


Image Generation



Page

- Story Content
- Image Prompt
- Image



Duplicate slide - remove

Story

- Scenery
- Style
- User Notes
- Image Guide



Frontend

Streamlit

Streamlit

- What is it?
- Why use it?
- Alternatives?
- Experience?

Backend

AWS, Dynamo

Dynamo

- What do we store?
- Why do we store it?
- How do we store it?
- Privacy

AWS Setup

Jayant, please I know nearly nothing about AWS!

Key Classes

Orchestrator

LLM

- Get Next Steps
- Create Image Prompt
- Formatter

Image Generator

- Generate Image

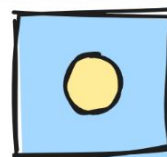
Story

- Scenery
- Style
- User Notes
- Image Guide



Page

- Story Content
- Image Prompt
- Image



Key Classes

Page, Story, Orchestrator

MOVE

MOVE

Stretch Goals

Deeper interactions, a Beautiful UI, Storyline rewrites