

https://gsam-app.streamlit.app

Al tool to enhance the software development



Problem Statement

- Reducing Barriers for Developers
- Have access to more creativity sources



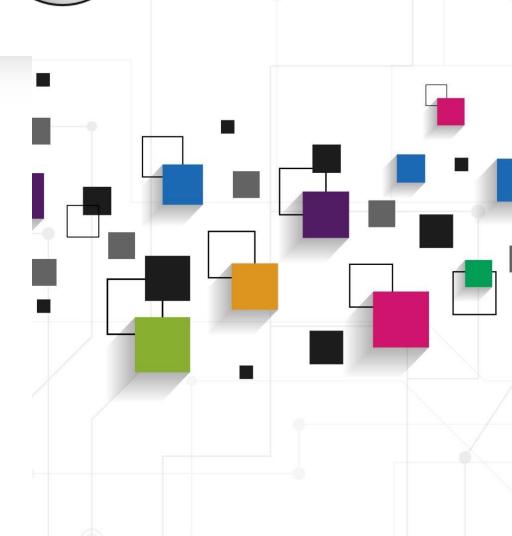
Objective

 Build tools that streamline Meta Llama's development process, including Models implementation, prompt engineering, evaluation, and App ideation.

Solution: The GenericSuite App Maker



- Helps on the software development process for any Application.
- Generate code, images, video or answers from text prompts
- Kick start code to be used with GenericSuite



Technologies Used



Meta Llama models:

• Llama 3.2 3B + Llama 3.1 8B, 70B, and 405B

Together.ai

Huggingface Inference API + Flux.1

Rhymes Allegro video generation model

LlamaIndex

StreamLit

MongoDB Atlas

Python 3.10

Application Features

- Use a variety of AI Models
- Image and Video Generation
- Galleries to show generated images and videos
- Provider and Model selection
- Suggestions to generate App ideas with customize prompts
- Generate JSON configuration and Tools code for GenericSuite



Application Features [2]

- Embeddings and vectorized data with LlamaIndex
- Prompts optimization
- Generate name ideas
- Generate App description and database structures
- Generate PowerPoint presentations





Benefits

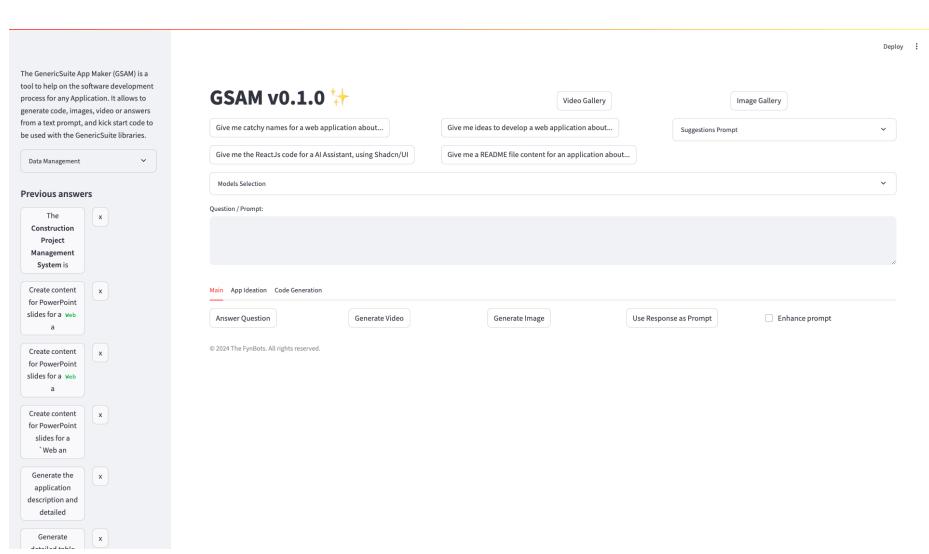
- Enhancing App Development with AI-Powered Tools
- Simple UI for Generation Options
- Effortless Integration of New Models
- Your Creative Companion
- Gallery for Easy Review
- Efficient Code Generation with GenericSuite

How It Works

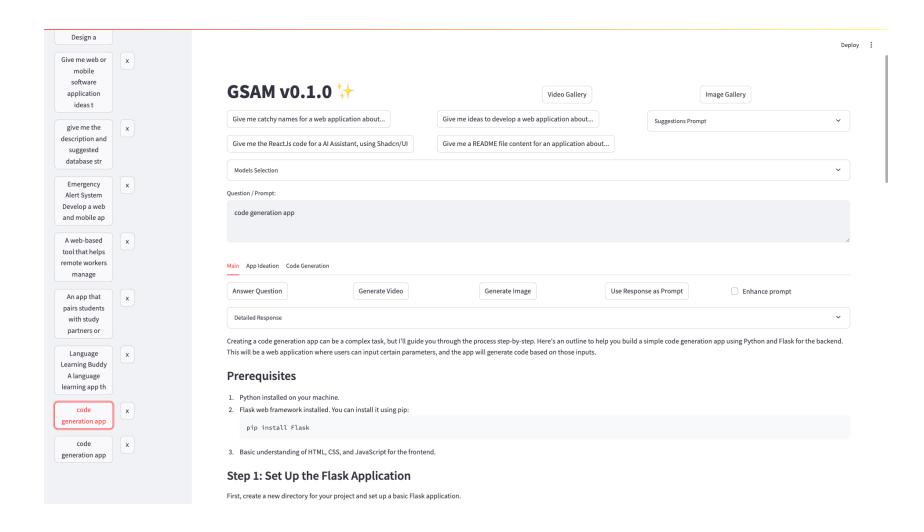
- User Inputs and Option Selection
- Customization for Ideation Tasks
- Prompt Generation
- API Call and Content Generation
- Prompt Enhancement (If Requested)

```
mirror object to mirror
mirror_mod.mirror_object
 peration == "MIRROR_X":
mirror_mod.use_x = True
irror_mod.use_y = False
_____rod.use_z = False
 _operation == "MIRROR_Y"
 lrror_mod.use_x = False
 !!rror_mod.use_y = True
 irror_mod.use_z = False
  operation == "MIRROR_Z"
  rror_mod.use_x = False
  rror_mod.use_y = False
  rror_mod.use_z = True
 Lelection at the end -add
   ob.select= 1
   er ob.select=1
   ntext.scene.objects.action
  "Selected" + str(modified
   rror ob.select = 0
   bpy.context.selected_obj
  ata.objects[one.name].se
 int("please select exaction
    - OPERATOR CLASSES
      mirror to the selected
    ect.mirror_mirror_x
  ext.active_object is not
```

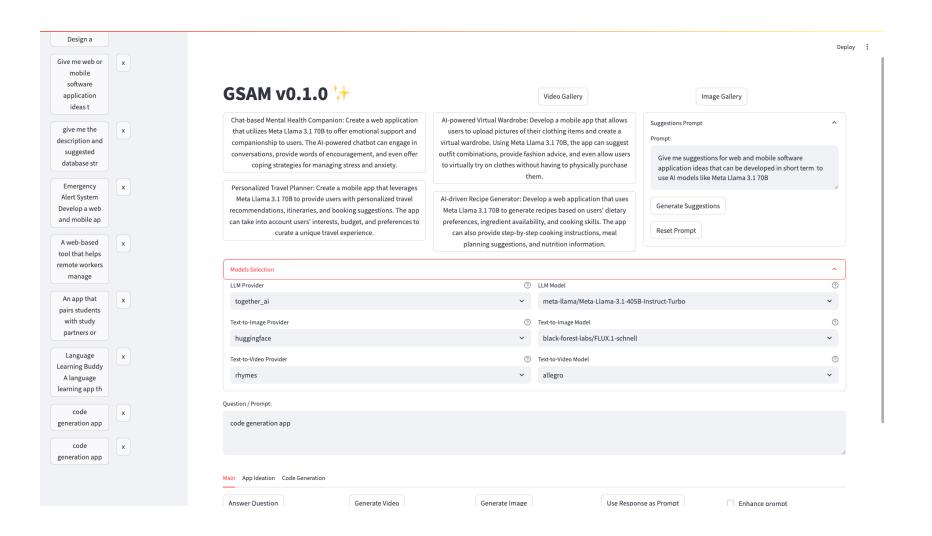
Main Page



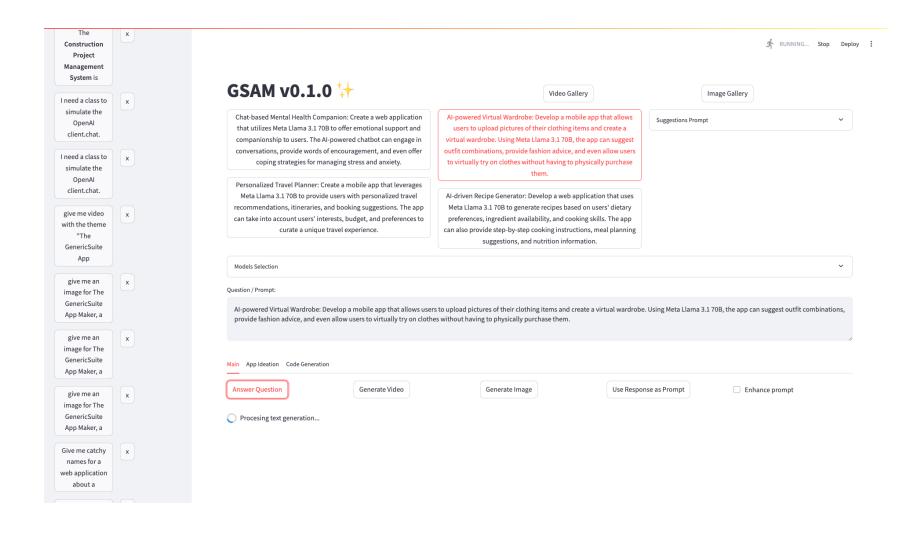
LLM Inference



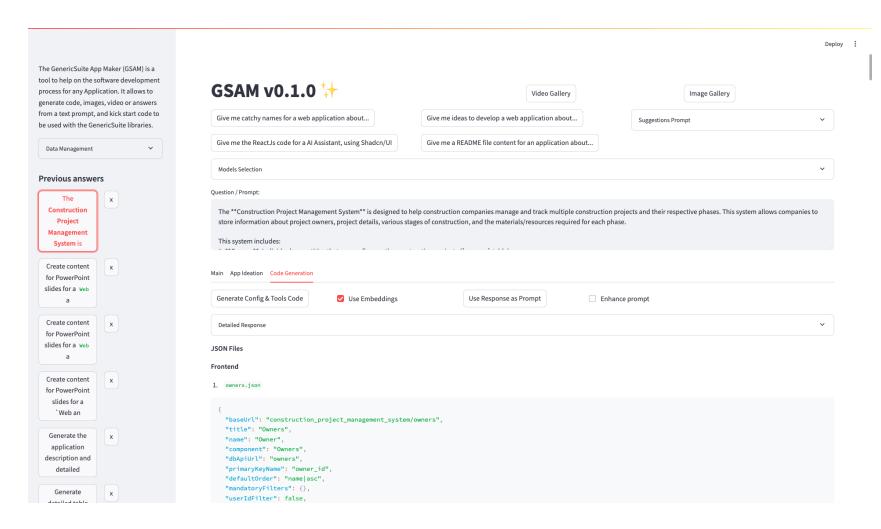
Suggestions Generation & Model Selection



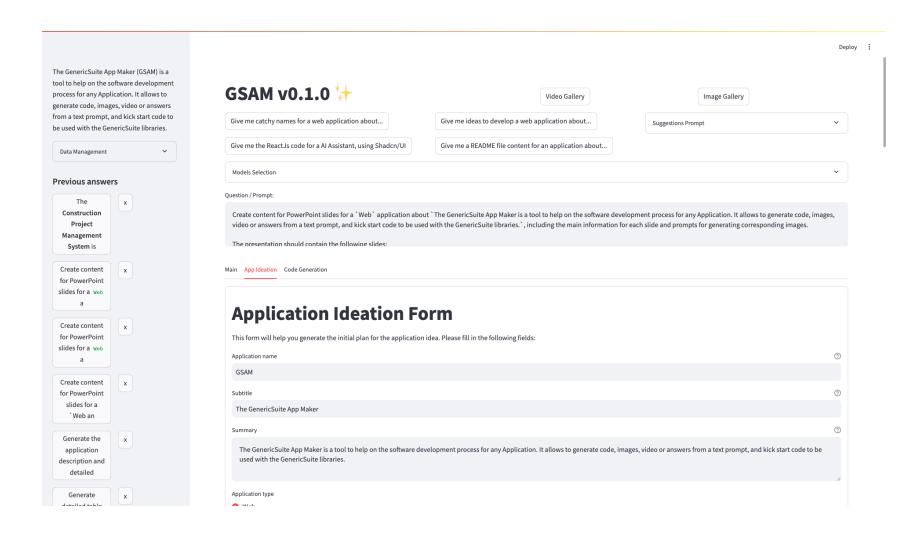
Suggestion Applied to Prompt



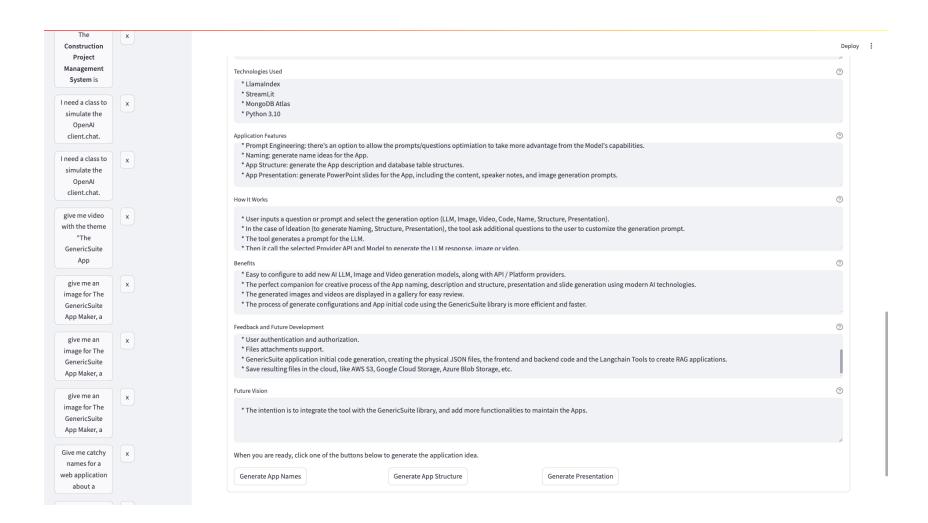
Code Generation Example



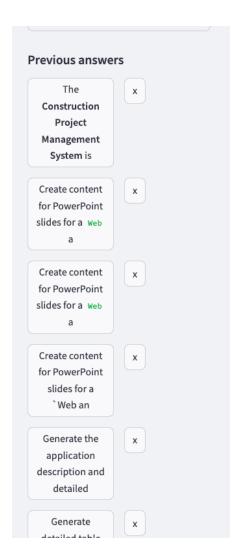
App Ideation Page



App Ideation Page [2]



Presentation Generation



```
"title": "Benefits",
       "content": "* The developer has a simple UI to select the generation of
       "speaker_notes": "Persuade the audience why these benefits help addres
       "image_prompt": "Create an infographic or chart highlighting key benef
       "title": "Feedback and Future Development",
       "content": "The tool is still in development, and there's a lot of imp
       "speaker_notes": "Emphasize user satisfaction and iterate potential ex
       "image_prompt": "Create a slide image with text boxes or sticky notes
       "title": "Future Vision",
       "content": "Describe possible enhancements like allowing users to choo
       "speaker_notes": "Highlight the future possibilities of `The GenericSu
       "image_prompt": "Depict a futuristic or evolving version of `The Gener
       "title": "Thank You Slide",
       "content": "A final message thanking the audience for their interest i
       "speaker_notes": "Express gratitude and briefly redirect users to foll
       "image_prompt": "Design a thank you slide including a message of appre
 Generate Presentation again
 Download Presentation
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```

Image Generation

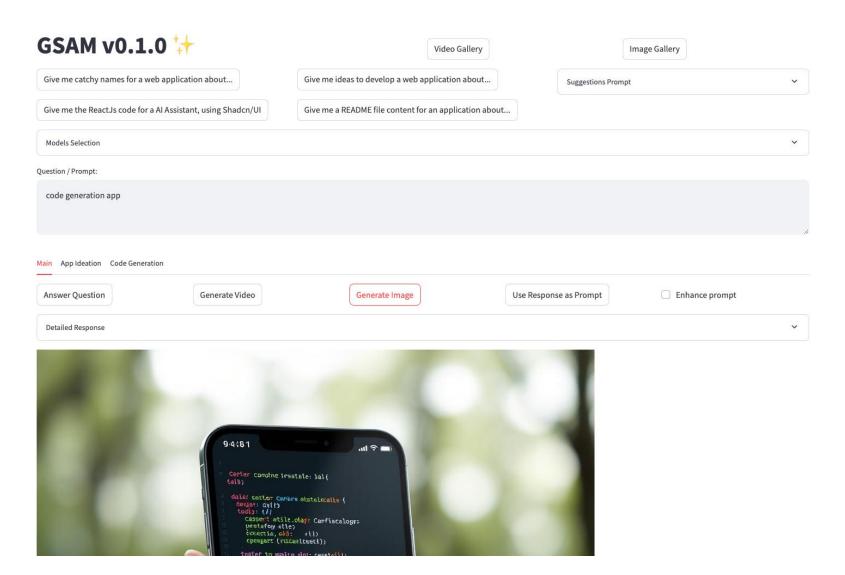
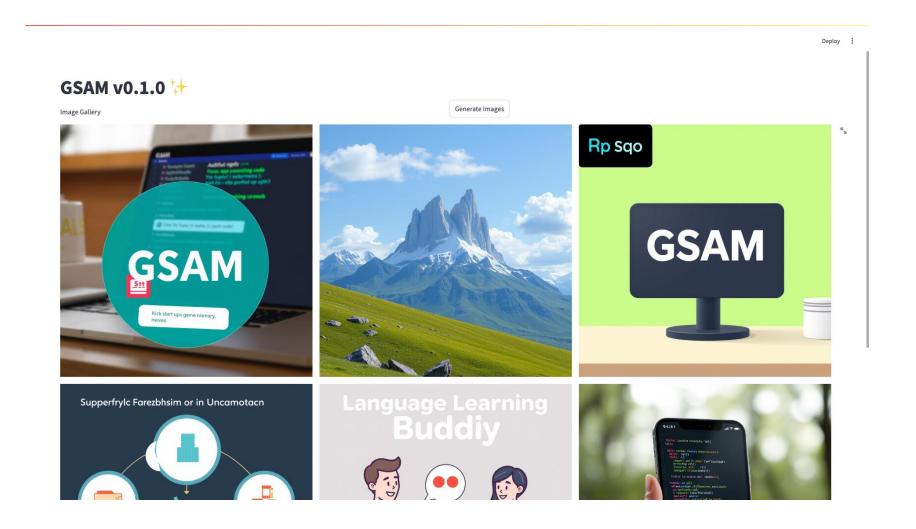


Image Gallery



Video Galley

GSAM v0.1.0 **

Video Gallery



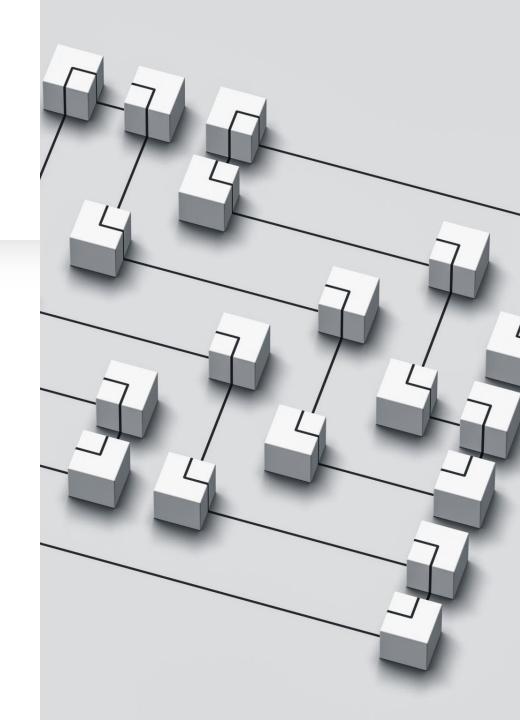
Generate Videos



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Feedback and Future Development

- Enhanced LLM Model Configurations
- User Authentication and Authorization
- File Attachments
 Support
- GenericSuite Initial Code Generation
- Cloud Storage
 Integration





Future Vision

- Advanced AI and Machine Learning Integration
- Seamless Integration with GenericSuite Library
- Expanded Generation Capabilities



Thanks for your interest in the application

