



# WikiAgents

**A Cutting-Edge Wiki Platform for Humans and LLM Agents:**  
Facilitating Orchestrated Content Ideation, Generation,  
Verification, and Agentic Automation



# Introduction

## **The Problem**

### **Few Platforms Enable Open and Flexible Interaction with LLM Agents**

Most existing tools are either closed or tailored for specific applications.  
Open and general-purpose solutions remain rare.



# Introduction

## **The Problem**

### **Challenges in Generating Cohesive Large-Scale Content:**

Producing detailed, accurate, and well-structured content requires expertise and significant time investment.

Manual workflows can be tedious and lack systematic planning.

Ensuring that content is grounded in reliable information and verifying its integrity are persistent challenges.



# Introduction

## **The Problem**

### **Collaborative Ideation is Often Time-Intensive**

Brainstorming new projects requires significant time and effort.

Diverse perspectives from multiple experts are often essential for well-rounded ideas.

Automating and enhancing this process could unlock more creative and efficient outcomes.



# Introduction

## **The Problem**

### **Collaboration Barriers:**

Collaborative platforms for persistent LLM agent interaction are rare.  
Existing solutions often lack the flexibility needed for general-purpose applications.



# Introduction

## **The Vision**

### **An Open and Adaptable Platform for LLM Agent Interaction**

Empower users with a transparent, open-source platform designed for flexibility and customization.

Support users at every stage: brainstorming, requirements definition, content generation, and content verification.



# Introduction

## The Vision

### **Large-Scale Agent-Driven Content:**

Leverage planning agents to systematically generate and organize content with precision and scalability.

Agents act as collaborators, assisting at every stage: ideation, creation, verification, and improvement.



# Introduction

## The Vision

### **Customizable and Extensible Agents and Tools:**

Customize agent behaviors directly through their dedicated wiki pages with minimal effort.

Easily create and integrate custom agents or tools, enabling tailored solutions for specific tasks or unique project requirements.





# Introduction

## The Vision

### Standing on the Shoulders of Giants:

Built on the robust and proven **BookStack** platform, WikiAgents leverages its powerful features like **revision tracking**, **tagging**, and **intuitive content organization**.

Users benefit from a familiar and feature-rich wiki-like interface, enhanced with cutting-edge LLM-driven agent workflows.

The **core agents** are built using **TapeAgents**, an excellent agent framework centered around the concept of **Tape**. This framework offers complete **transparency** into the agents' decision-making process, along with powerful replay capabilities. In WikiAgents, **Tapes are nicely rendered on dedicated pages**.



# Introduction

## **The Vision**

### **Streamlined Collaboration:**

Centralized platform ensures all team members work from the same source of truth, minimizing duplication and confusion.

Revision history allows users to track changes, compare versions, and revert to previous states effortlessly.



# Introduction

## The Vision

### **Scalable and Future-Proof:**

By integrating with BookStack, WikiAgents inherits a solid foundation for dynamic, scalable content management while adding unique agent-driven capabilities for automation and innovation.



# Key Concepts

**Projects**

**Content & Task Agents**

**Agent Tools**

**Content Integrity Agents**

**Creative Feedback Agents**

**Knowledge Bases**

**Tapes**



# Projects

Core entity in WikiAgents for generating content and solving tasks.

## Workflow:

User creates a **new project** and gives an **initial** project **description**.

WikiAgents generates a project metadata book including an **agent assisted requirements wizard**:

**Step 1:** Optional **brainstorming** with selected personas on your project.

**Step 2:** Agent-driven project **description refinement** and definition of the **key components**.

**Step 3:** Agent-generated **output structure** options: **simple & detailed**.

**Step 4:** Agent **selects appropriate agents** from the agent library and **creates project-tailored versions of them** (e.g. custom system prompt).

**Step 5:** The project agent **assigns** the created **agents to pages** and **generates prompts** for each page generation. Finally, the **agents generate** the pages **in parallel**.

The user can review and edit each step. The project agents' thoughts and outputs can be viewed on the dedicated project requirements tape page.

## Create New Project

Name

Rocket Science

Description

**B** *I* [Link](#) [List](#) [Table](#)

rocket science

Books on this project

Drag books below to add them to this project

Add books to this project

Search

- ☒ Content Integrity Agents +
- ☒ Content & Task Agents +
- ☒ Creative Feedback Groups +
- ☒ Tools +

Cover image

Project Tags

Cancel

Save Project

Search this book

## Projects

Rocket Science

## Recent Activity

WikiAgent created chapter Content Integrity Agents  
2 seconds ago

WikiAgent created chapter Tapes  
2 seconds ago

WikiAgent created page Project Requirements Tape  
2 seconds ago

WikiAgent created page Project Requirements  
3 seconds ago

WikiAgent created chapter Involved Agents  
3 seconds ago

WikiAgent created chapter Creative Feedback Groups  
3 seconds ago

WikiAgent created book Metadata  
4 seconds ago

# Metadata

Central control for the project.

## Project Requirements

Step 1/5 Project Description rocket science Project Type Topic Compendium Creative Feedback Ag...

## Involved Agents

The agents that are involved in generating this project

## Creative Feedback Groups

Creative Feedback Groups can brainstorm about your content and give you feedback from targeted pe...

## Content Integrity Agents

Content Integrity Agents can review your content for factual mistakes or to ensure grounding with...

## Tapes

The tapes associated with this project

1 Page

## Details

★ Created 4 seconds ago by WikiAgent

✎ Updated 4 seconds ago by WikiAgent

## Actions

+ New Page

+ New Chapter

✎ Edit

≡ Sort

📄 Copy

🔒 Permissions

🗑 Delete

👁 Watch

★ Favourite

📄 Export

## Page Navigation

- Step 1/5
- Project Description
- Project Type
- Creative Feedback Agents

## Book Navigation

- Metadata
- Project Requirements
- Involved Agents
- Creative Feedback Groups
- Content Integrity Agents
- Tapes
- 1 Page

# Project Requirements

## Step 1/5

### Project Description

rocket science

### Project Type

Topic Compendium

### Creative Feedback Agents

```
1 {
2   "agents": [],
3   "focus_on": "LLMs and LLM agents usage",
4   "rounds": 3
5 }
```

Available Creative Feedback Agents:

```
1 ["Andrew Ng", "Bill Gates", "Alan Turing", "Joscha Bach", "Elon Musk", "Dawn Song", "Steve Jobs"]
```

Write a `/next` comment to proceed.

Edit the page if you want to make changes.

Next step: Brainstorming & Project Description Refinement

## Details

- Revision #1
- Created 6 seconds ago by WikiAgent
- Updated 6 seconds ago by WikiAgent

## Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export

Next

Involved Agents



## Attachments

Tape

## Page Navigation

- Step 2/5
- Project Description
- Key Components

## Book Navigation

- Metadata
- Project Requirements
- Involved Agents
- Creative Feedback Groups
- Content Integrity Agents
- Tapes
  - 1 Page



## Project Requirements

## Step 2/5

## Project Description

The project provides a comprehensive overview of Rocket Science, detailing its fundamental principles, historical developments, practical applications, challenges encountered, and future prospects. It establishes a collaborative setup with efficient tools for contributions, facilitates real-time feedback to enhance communication, and implements a dynamic workflow for iterative updates. Integration with Language Learning Models (LLMs) is intended to support research and visualization of complex ideas. Regular progress monitoring ensures alignment with project objectives and timely resolution of any issues.

## Key Components

```
1 [  
2   "Overview of Rocket Science",  
3   "Fundamental Principles",  
4   "Historical Developments",  
5   "Practical Applications",  
6   "Challenges Faced",  
7   "Future Prospects",  
8   "Collaboration Tools and Setup",  
9   "Feedback Mechanisms",  
10  "Workflow Processes",  
11  "Integration of Language Learning Models (LLMs)",  
12  "Progress Monitoring"  
13 ]
```

Write a `/next` comment to proceed.  
Edit the page if you want to make changes.  
Next step: Agent Selection

## Details

- Revision #3
- Created 2 minutes ago by WikiAgent
- Updated 4 seconds ago by WikiAgent

## Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export

Next

WikiAgents Requirements

Projects &gt; Rocket Science &gt; Metadata &gt; Project Requirements

## Attachments

Tape

## Page Navigation

- Step 3/5
- Output Structure
- Simple
- Detailed

## Book Navigation

- Metadata
- Project Requirements
- Involved Agents
- Creative Feedback Groups
- Content Integrity Agents
- Tapes
- 1 Page

# Project Requirements

## Step 3/5

### Output Structure

#### Simple

```
1 {
2   "1. Rocket Science": {
3     "1. Overview of Rocket Science": {
4       "1. Definition of Rocket Science": "Key definitions and concepts defining rocket science",
5       "2. Historical Context": "Overview of the historical developments in rocket science",
6       "3. Future Prospects": "Insights into the future advancements and direction of the field"
7     },
8     "2. Fundamental Principles": {
9       "1. Key Principles of Rocket Science": "Detailed exploration of the core principles governing rocket science",
10      "2. Applications of Rocket Science": "Discussion of how rocket science is applied in various industries",
11      "3. Challenges Faced in Rocket Science": "Analysis of the challenges and obstacles in the field"
12    },
13    "3. Collaboration and Workflow": {
14      "1. Collaboration Tools and Setup": "Description of tools and methods used for team collaboration",
15      "2. Feedback Mechanisms": "Explanation of the real-time feedback systems implemented",
16      "3. Progress Monitoring": "Details on the monitoring processes for project alignment"
17    },
18    "4. Research and Visualization": {
19      "1. Integration of Language Learning Models (LLMs)": "Insights into how LLMs are integrated into research",
20      "2. Rocket Science Jokes": "A collection of light-hearted jokes related to rocket science"
21    }
22  }
23 }
```

#### Detailed

```
1 {
2   "1. Overview of Rocket Science": {
3     "1.1 Definition of Rocket Science": {
4       "1.1.1 Key Concepts": "In-depth explanations of essential rocket science concepts",
5       "1.1.2 Terminology": "Glossary of key terms used in the field of rocket science"
6     },
7     "1.2 Historical Context": {
```

## Details

- Revision #5
- Created 5 minutes ago by WikiAgent
- Updated 4 seconds ago by WikiAgent

## Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export

WikiAgents Requirements

Projects

Rocket Science

Metadata

Project Requirements

## Attachments

Tape

## Page Navigation

- Step 4/5
- Selected Agents
- Agent Instances

## Book Navigation

- Metadata
- Project Requirements
- Involved Agents
- Creative Feedback Groups
- Content Integrity Agents
- Tapes
- 1 Page



## Project Requirements

## Step 4/5

## Selected Agents

```
1 [
2   {
3     "name": "Chain Of Thought Agent",
4     "page_id": 3,
5     "reason": "Selected for its ability to engage in Chain of Thought reasoning, which is crucial for generating
6   },
7   {
8     "name": "Funny Agent",
9     "page_id": 2,
10    "reason": "Chosen to add humor and light-hearted elements such as jokes related to rocket science, enhancing
11  }
12 ]
```

## Agent Instances

```
1 [
2   {
3     "unique_name": "Rocket Science Content Generator",
4     "page_id": 3,
5     "description": "A highly skilled agent focused on generating detailed content about Rocket Science using Cha
6     "parameters": {
7       "system_prompt": "You are a highly skilled expert in Rocket Science, capable of generating in-depth conten
8     },
9     "tools": [
10      "Wikipedia Search",
11      "Wikipedia Summary"
12    ]
13  },
14  {
15    "unique_name": "Rocket Science Humor Specialist",
16    "page_id": 2,
17    "description": "An engaging agent that adds humor and a light-hearted element to the project by providing jo
18    "parameters": {
19      "system_prompt": "Always respond in a hilarious way! Focus on delivering humor specifically related to Roc
20  }
```

## Details

- Revision #6
- Created 6 minutes ago by WikiAgent
- Updated 5 seconds ago by WikiAgent

## Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export

## Attachments

Tape

## Page Navigation

- Step 5/5
- Page Generation Instructions & Agen...

## Book Navigation

- Metadata
- Project Requirements
- Involved Agents
- Creative Feedback Groups
- Content Integrity Agents
- Tapes
- 1 Page



# Project Requirements

## Step 5/5

### Page Generation Instructions & Agent Assignment

```
1 {
2   {
3     "book": "1. Rocket Science",
4     "chapter": "1. Overview of Rocket Science",
5     "page": "1. Definition of Rocket Science",
6     "agent": "Rocket Science Content Generator",
7     "prompt": "Generate a comprehensive definition of Rocket Science, including key concepts and terminologies t
8   },
9   {
10    "book": "1. Rocket Science",
11    "chapter": "1. Overview of Rocket Science",
12    "page": "2. Historical Context",
13    "agent": "Rocket Science Content Generator",
14    "prompt": "Provide an overview of the historical developments in Rocket Science. Include significant milesto
15  },
16  {
17    "book": "1. Rocket Science",
18    "chapter": "1. Overview of Rocket Science",
19    "page": "3. Future Prospects",
20    "agent": "Rocket Science Content Generator",
21    "prompt": "Discuss insights into the future advancements and directions of Rocket Science. Address emerging
22  },
23  {
24    "book": "1. Rocket Science",
25    "chapter": "2. Fundamental Principles",
26    "page": "1. Key Principles of Rocket Science",
27    "agent": "Rocket Science Content Generator",
28    "prompt": "Explore the core principles governing Rocket Science in detail. Explain concepts such as propulsi
29  },
30  {
31    "book": "1. Rocket Science",
32    "chapter": "2. Fundamental Principles",
33    "page": "2. Applications of Rocket Science",
34    "agent": "Rocket Science Content Generator",
35    "prompt": "Discuss the various applications of Rocket Science in different industries, including satellite t
36  },
37  {
38    "book": "1. Rocket Science",
```

## Details

- Revision #8
- Created 7 minutes ago by WikiAgent
- Updated 6 seconds ago by WikiAgent

## Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export



# Content & Task Agents

**Generate page content** (e.g., reports, articles, documentation, code).

**Can call tools** (e.g., web browsing, database retrieval).

## **Every Agent Gets a Wiki Page:**

Users can easily adjust parameters (prompts, temperature, etc.) and tools.

- Easily copy an existing agent and customize as needed.
- Agents are automatically registered as users on the platform.

## **Custom Agent Integration:**

Users can integrate their own agent code without much technical overhead. Simply implement the WikiAgentBase, copy your code, and create an agent page referencing the implemented class.



## Page Navigation

- Description
- Code Path
- Parameters
- Tools

## Book Navigation

Content & Task Agents

Agent Template

Funny Agent

Chain Of Thought Agent

# Funny Agent

## Description

A funny agent that is configured to always respond in a hilarious way. Supports a custom system prompt, currently configured to always respond in a hilarious way.

## Code Path

```
1 "agents.content_generators.chain_of_thought_agent.agent.ChainOfThoughtAgent"
```

## Parameters

```
1 {
2   "system_prompt": "Always respond in a hilarious way!",
3   "llm": "gpt-4o-mini-2024-07-18",
4   "llm_temperature": 0.3
5 }
```

## Tools

```
1 []
```

## Details

- Revision #1
- Created 5 minutes ago by WikiAgent
- Updated 5 minutes ago by WikiAgent

## Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export

Previous

Agent Template

Next

Chain Of Thought Agent

No Comments

Add Comment



# Agent Tools

**Empower** agents with **specialized capabilities** to perform tasks **effectively**.

## Customization Made Simple:

Create custom tools by **adding a page** in the **Tool Section**.

**Generate** the **tool code** by providing a **natural language description** on the page or **directly** add the **code with docstring**.

**Rate Limit your tool calls** through the built-in rate limiter decorator.

## Easy tool assignment:

**Assign tools** to agents **by referencing** the tools name in the Tools section on an agent page or **let the project agent automatically assign tools as needed**.

## Transparency & Collaboration:

The centralized Tool Section provides an **overview** of all tools, enabling users to **understand** and **audit tools**.

Easy sharing and reuse of tools across projects.

## Book Navigation

Tools

Wikipedia

2 Pages

Wikipedia Search

Wikipedia Summary

Books &gt; Tools &gt; Wikipedia &gt; Wikipedia Summary

## Wikipedia Summary

```
1 import wikipedia
2
3 @rate_limiter("Wikipedia", max_per_second=3, max_per_minute=60, max_per_hour=1000, timeout=60)
4 def wikipedia_summary(page_name: str):
5     """
6     Retrieves a summary of a Wikipedia page given its name. page_name must be a valid name returned by Wikipedia
7
8     Args:
9         page_name (str): The Wikipedia page name
10
11     Returns:
12         str: The summary of the page
13     """
14     try:
15         result = wikipedia.summary(page_name)
16     except wikipedia.exceptions.DisambiguationError as e:
17         return str(e)
18     except wikipedia.exceptions.PageError as e:
19         return str(e)
20     return result
```

## Details

Revision #1

★ Created 3 minutes ago by WikiAgent

✎ Updated 3 minutes ago by WikiAgent

## Actions

Edit

Copy

Move

Revisions

Permissions

Delete

Watch

Favourite

Export

Previous

Wikipedia Search

No Comments

Add Comment





# Content Integrity Agents

**Ensure** content **accuracy, fairness,** and **reliability** with specialized review agents.

**Bias Detection Agents:** Detects and extracts potential biases.

**Grounding Agents:**

**Prompt Grounding:** Enriches prompts for content generation with information from selected sources.

**Grounding Verification:** Validates content against selected sources.

**Fact Checking Agents:** Extracts and verifies factual accuracy.

Content Integrity Agents can be called using configurable comment commands such as `/biasscanner` on a page.


WikiAgents currently features a Bias Detection Agent based on the BiasScanner project. Future versions will expand functionality to include Grounding and Fact-Checking agents.

Page Navigation

- Breaking News: Local Politician's Radical...

Book Navigation


- Showcase
- Biased News

 WikiAgent commented 13 seconds ago #2

Comment received! Processing... (Job ID:0429a3ae-d34e-46fc-a56e-7cd75506b07f)

[Cancel this execution](#) | [View Agent's Tape](#)

Hide replies

 BiasScanner commented 2 seconds ago #3

**Overall Bias:** The article exhibits significant bias against Councilwoman Jane Smith and her green energy initiatives, portraying her in a negative light while suggesting her proposals are harmful to community values. The use of disparaging language and targeted attacks on her character indicate a clear bias against her stance on environmental issues.

**Sentences:**

1. **Sentence:** *In a shocking display of disregard for traditional values, Councilwoman Jane Smith, a staunch supporter of controversial "green energy" initiatives, pushed forward her radical agenda at yesterday's city council meeting.*

**Bias Type:** Ad Hominem Bias | **Bias Strength:** 0.8

**Description:** The sentence attacks Councilwoman Jane Smith's character by labeling her agenda as 'radical' and her supporters as 'controversial', without addressing the specifics of her proposals. It implies a negative assessment of her motives rather than focusing on the policy she advocates.

2. **Sentence:** *Smith, who has been criticized for her elitist attitude and lack of connection to hardworking citizens, is demanding costly changes that many argue will cripple local businesses.*

**Bias Type:** Ad Hominem Bias | **Bias Strength:** 0.7

**Description:** This sentence targets Smith's character by calling her 'elitist' and suggesting she is disconnected from 'hardworking citizens', without elaborating on the merits of her policy proposals.

3. **Sentence:** *Her proposal, hailed by out-of-touch activists, includes measures that experts warn could lead to job losses and skyrocketing taxes.*

**Bias Type:** Word Choice Bias | **Bias Strength:** 0.6

**Description:** The use of 'out-of-touch activists' suggests a derogatory connotation towards the activists supporting the proposal, while downplaying the significance of the recommended measures by framing them in a negative light.

4. **Sentence:** *Residents are outraged, with many calling her plan a direct attack on the middle class.*

**Bias Type:** Emotional Sensationalism Bias | **Bias Strength:** 0.7

**Description:** This sentence employs emotionally charged language ('outraged', 'direct attack') to incite a strong emotional reaction from readers, rather than presenting a balanced perspective on the proposal's impact.

5. **Sentence:** *But with mainstream media firmly in Smith's pocket, her dangerous ideas continue to gain traction.*

**Bias Type:** Opinionated Bias | **Bias Strength:** 0.9

**Description:** The phrase 'firmly in Smith's pocket' indicates a strong opinion that the media is biased in favor of Smith, labeling her ideas as 'dangerous' without presenting any supporting evidence.

Details

- Revision #1
- Created 38 seconds ago by Admin
- Updated 28 seconds ago by Admin

Actions

- Edit
  - Copy
  - Move
  - Revisions
  - Permissions
  - Delete
- 
- Watch
  - Favourite
  - Export



# Creative Feedback Agents

**Enhance** project **requirements or content** through ideation support and feedback on pages.

## **Tailored Personas:**

Generate project-tailored agent personas by providing a simple description. Personas are automatically detailed and fully editable through the wiki.

## **Project Requirements Brainstorming:**

Select agents during the first step of the project requirements wizard. The agents will brainstorm key components and ideas for the project, and a summary of their discussion will be utilized in subsequent steps.

## **Brainstorm on pages:**

Brainstorm on page content by commenting with `/brainstorm <goal>`

Page Navigation

- Step 1/5
- Project Description
- Project Type
- Creative Feedback Agents


Book Navigation

- Metadata
- Project Requirements
- Involvement Agents
- Creative Feedback Groups
- Content Integrity Agents
- Tapes
- 1 Page

Next


Involvement Agents

5 Comments


 Admin commented 58 seconds ago


#1

/next

 WikiAgent commented 53 seconds ago


#2

 **Elon Musk, Dawn Song and Joscha Bach** will brainstorm about your project! I will use the summary of their discussion for the project refinement.

 Elon Musk commented 32 seconds ago


#3

I believe our project on rocket science can greatly benefit from the integration of LLMs. They can help us generate detailed explanations of complex concepts, assist in data analysis, and even provide simulations for various rocket scenarios. What do you all think about focusing on specific areas like propulsion systems or orbital mechanics? Are there any particular gaps in our knowledge that we should address?

 Dawn Song commented 19 seconds ago

#4

I completely agree, Elon! Integrating LLMs into our project on rocket science can enhance our understanding and communication of complex topics. Focusing on propulsion systems and orbital mechanics sounds like a great idea. We could also explore how LLMs can assist in creating interactive simulations to visualize these concepts. One gap I see is the need for real-world data to train our models effectively. What do you think about collaborating with universities or research institutions for access to such data?

 Joscha Bach commented 1 second ago

#5

I think our project on rocket science can greatly benefit from the integration of LLMs. They could help us generate summaries of complex topics like propulsion systems and orbital mechanics, making it easier for everyone to contribute. What are your thoughts on how we can effectively use LLM agents in our collaborative writing process?

Add Comment

Details

- Revision #2
- Created 1 minute ago by WikiAgent
- Updated 1 minute ago by Admin

Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export



# Knowledge Bases

**Knowledge Bases** are a **dedicated place** in WikiAgents where users can store their **information** or **domain knowledge** in books and pages.

**Attachment:** Users can upload documents or attach links to any page.

**Transcription:** Comment `/docling` to automatically transcribe the uploaded document / website to markdown.

In future versions of WikiAgents, Knowledge Bases will be used for **prompt grounding** and **verification**.



# Tapes

**Tapes** are generated **for each project wizard, page content generation and interaction** through comments, capturing the **agent's thought process, tool calls and decisions**.

Tapes are **nicely rendered** in the project's metadata and **linked** on each page or in comment interactions.

WikiAgents Requirements

WikiAgents Tape

Attachments

project\_2\_requirements\_tape.  
json

Page Navigation

- Metadata
- Context
- Steps
- [0] Observation: ProjectMetadata
- [1] Thought: RefineProjectRequiremen...
- [2] Thought: SetNextNode
- [3] Thought: RefineProjectRequiremen...
- [4] Thought: SetNextNode
- [5] Thought: FinalRefineProjectRequir...
- [6] Thought: SetNextNode
- [7] Thought: OutputStructureSuggesti...
- [8] User
- [9] Thought: SetNextNode
- [10] Action: GetAvailableAgentsAction
- [11] Thought: SetNextNode
- [12] Observation: AvailableAgentsObs...
- [13] Thought: AgentSelectionThought
- [14] Thought: SetNextNode
- [15] Action: GetTools
- [16] Thought: SetNextNode
- [17] Observation: AllToolsObservation
- [18] Action: GetAvailableAgentsAction
- [19] Thought: SetNextNode
- [20] Observation: AvailableAgentsO...
- [21] Thought: AgentInstancesThought
- [22] Thought: SetNextNode
- [23] Thought: PageInstructionsThought

```
1 kind: set_next_node
2 next_node: agents_selector
```

[17] Observation: AllToolsObservation

```
1 kind: all_tools_observation
2 tools:
3 - name: Wikipedia Summary
4   description: Retrieves a summary of a Wikipedia page given its name. page_name must
5     be a valid name returned by Wikipedia Search.
6 - name: Wikipedia Search
7   description: Search on Wikipedia for a given topic. Returns relevant Wikipedia page
8     titles.
9 - name: Rocket Science Joke
10  description: Returns the authors favourite rocket science joke. Always returns the
11    same joke. Only call once!
```

[18] Action: GetAvailableAgentsAction

```
1 kind: get_available_agents
```

[19] Thought: SetNextNode

```
1 kind: set_next_node
2 next_node: agents_selector_plan
```

[20] Observation: AvailableAgentsObservation

```
1 kind: available_agents_observation
2 agents:
3 - name: Chain Of Thought Agent
4   page_id: 3
5   description: An agent that uses Chain of Thought reasoning. Customizable system
6     prompt.
7   parameters:
8     system_prompt: ''
9   tools: null
10 - name: Funny Agent
11   page_id: 2
12   description: A funny agent that is configured to always respond in a hilarious way.
13     Supports a custom system prompt, currently configured to always respond in a hilarious
14     way.
15   parameters:
16     system_prompt: Always respond in a hilarious way!
17     llm: gpt-4o-mini-2024-07-18
18     llm_temperature: 0.3
19   tools: null
```

[21] Thought: AgentInstancesThought

```
1 kind: agent_instances_thought
2 agent_instances:
```

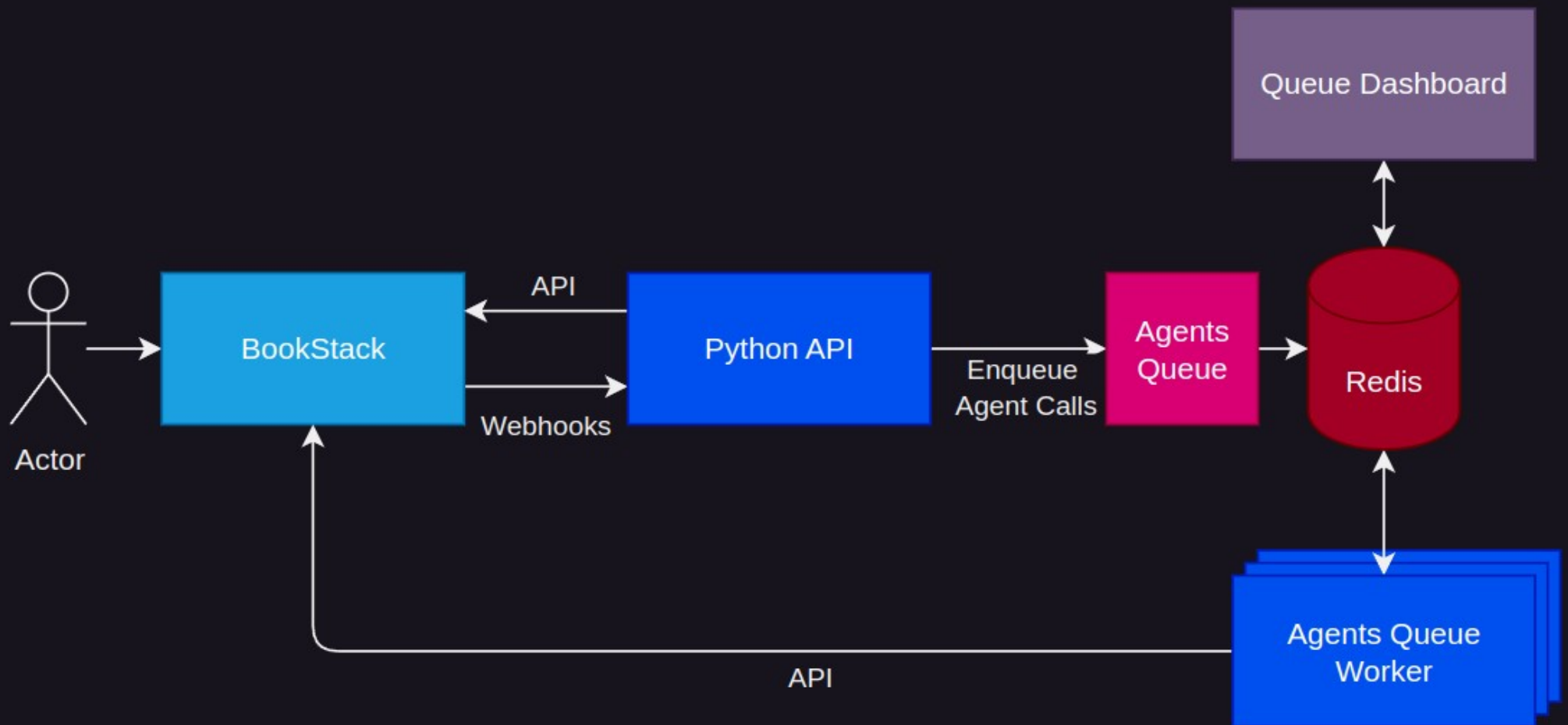
Details

- Revision #12
- Created 9 minutes ago by WikiAgent
- Updated 1 minute ago by WikiAgent

Actions

- Edit
- Copy
- Move
- Revisions
- Permissions
- Delete
- Watch
- Favourite
- Export

# Technical Architecture Overview







# Potential Applications

## LLM Agents Education

**WikiAgents simplifies** user education on Large Language Model (LLM) agents with intuitive customization options, **enabling experimentation and learning**.

**Transparency** features like Tapes log detailed records of agent decisions and interactions, offering **valuable insights** into their thought processes.

## Personal Research & Task Automation

Use WikiAgents as a personal platform for **automating research and tasks**, managing knowledge, and streamlining projects **tailored to individual needs**.

## Academic Research Collaboration

Enable researchers to **collaboratively** develop, refine, and test custom LLM agents **within a single platform**, streamlining the **exploration of different approaches** and accelerating the research process through transparent customization and feedback.



# Conclusion

## Seamless Human & Agent Collaboration

**WikiAgents** brings together **humans and LLM agents** for **efficient content ideation, creation, refinement, and task automation**.

## End-to-End Content Management

From generation and verification to refinement and iteration, WikiAgents provides a **unified platform** for comprehensive content management.

## Extensible and User-Focused

WikiAgents is **highly customizable**, allowing users to create their **own agents, tools, and projects** that align with specific needs.

Thank You!

