

"""

Swarm Agent

Topic selection agent -> draft agent -> review agent -> distribution agent

Topic Selection Agent:

- Generate 10 topics on gaining mental clarity using Taosim and Christian meditation

Draft Agent:

- Write a 100% unique, creative and in human-like style article of a minimum of 5,000 words using headings and sub-headings.

Review Agent:

- Refine the article to meet PositiveMeds stringent publication standards.

Distribution Agent:

- Social Media posts for the article.

TODO

- Make prompts better
- Add shorter and better topic generator prompt
- Optimize writer prompt to create longer and more enjoyable blogs
- Use Local Models like Storywriter

"""

import os

```
from termcolor import colored
```

```
from swarm_models import OpenAIChat
```

```
from swarms.prompts.autobloggen import (  
    AUTOBLOG_REVIEW_PROMPT,  
    DRAFT_AGENT_SYSTEM_PROMPT,  
    SOCIAL_MEDIA_SYSTEM_PROMPT_AGENT,  
    TOPIC_GENERATOR_SYSTEM_PROMPT,  
)
```

```
api_key = os.environ["OPENAI_API_KEY"]
```

```
llm = OpenAIChat(openai_api_key=api_key)
```

```
def get_review_prompt(article):
```

```
    prompt = AUTOBLOG_REVIEW_PROMPT.replace("{{ARTICLE}}", article)
```

```
    return prompt
```

```
def social_media_prompt(  
    article: str, goal: str = "Clicks and engagement"
```

```
):
```

```
    prompt = SOCIAL_MEDIA_SYSTEM_PROMPT_AGENT.replace(  
        "{{ARTICLE}}", article
```

```
    ).replace("{{GOAL}}", goal)
```

```
    return prompt
```

```
# Agent that generates topics
```

```
topic_selection_task = (
```

```
    "Generate 10 topics on gaining mental clarity using ancient"
```

```
    " practices"
```

```
)
```

```
topics = llm(
```

```
    f"Your System Instructions: {TOPIC_GENERATOR_SYSTEM_PROMPT}, Your"
```

```
    f" current task: {topic_selection_task}"
```

```
)
```

```
dashboard = print(
```

```
    colored(
```

```
        f"""
```

```
        Topic Selection Agent
```

```
        -----
```

```
        Topics:
```

```
        -----
```

```
        {topics}
```

```
        """,
```

```
        "blue",
```

```
    )
```

```
)
```

```
draft_blog = llm(DRAFT_AGENT_SYSTEM_PROMPT)
```

```
draft_out = print(
```

```
    colored(
```

```
        f"""
```

```
-----
```

```
Drafter Writer Agent
```

```
-----
```

```
Draft:
```

```
-----
```

```
{draft_blog}
```

```
""",
```

```
    "red",
```

```
)
```

```
)
```

```
# Agent that reviews the draft
```

```
review_agent = llm(get_review_prompt(draft_blog))
```

```
reviewed_draft = print(
```

```
    colored(
```

```
        f"""
```

Quality Assurance Writer Agent

Complete Narrative:

{draft_blog}

"""

"blue",

)

)

Agent that publishes on social media

distribution_agent = llm(

social_media_prompt(draft_blog, goal="Clicks and engagement")

)

distribution_agent_out = print(

colored(

f"""

Distribution Agent

Social Media Posts

{distribution_agent}

"" ,

"magenta",

)

)