```python
import os

from swarms import Agent

from swarm_models import OpenAIChat

from swarms.structs.spreadsheet_swarm import SpreadSheetSwarm


# Define custom system prompts for QR code generation

QR_CODE_AGENT_1_SYS_PROMPT = """

You are a Python coding expert. Your task is to write a Python script to generate a QR code for the

link: https://lu.ma/jjc1b2bo. The code should save the QR code as an image file.

"""


QR_CODE_AGENT_2_SYS_PROMPT = """

You are a Python coding expert. Your task is to write a Python script to generate a QR code for the

link: https://github.com/The-Swarm-Corporation/Cookbook. The code should save the QR code as

an image file.

"""


# Example usage:

api_key = os.getenv("OPENAI_API_KEY")


# Model

model = OpenAIChat(

    openai_api_key=api_key, model_name="gpt-4o-mini", temperature=0.1

)


# Initialize your agents for QR code generation
```

```python
agents = [
    Agent(
        agent_name="QR-Code-Generator-Agent-Luma",
        system_prompt=QR_CODE_AGENT_1_SYS_PROMPT,
        llm=model,
        max_loops=1,
        dynamic_temperature_enabled=True,
        saved_state_path="qr_code_agent_luma.json",
        user_name="swarms_corp",
        retry_attempts=1,
    ),
    Agent(
        agent_name="QR-Code-Generator-Agent-Cookbook",
        system_prompt=QR_CODE_AGENT_2_SYS_PROMPT,
        llm=model,
        max_loops=1,
        dynamic_temperature_enabled=True,
        saved_state_path="qr_code_agent_cookbook.json",
        user_name="swarms_corp",
        retry_attempts=1,
    ),
]


# Create a Swarm with the list of agents
swarm = SpreadSheetSwarm(
    name="QR-Code-Generation-Swarm",
```

```python
    description="A swarm that generates Python scripts to create QR codes for specific links.",

    agents=agents,

    autosave_on=True,

    save_file_path="qr_code_generation_results.csv",

    run_all_agents=False,

    max_loops=1,
)


# Run the swarm
swarm.run(
    task="Generate Python scripts to create QR codes for the provided links and save them as image
files."
)
```