

```
import os
```

```
from swarm_models import OpenAIChat
```

```
from swarms import Agent, GroupChat
```

```
# Example usage:
```

```
api_key = os.getenv("OPENAI_API_KEY")
```

```
# Create individual agents with the OpenAIChat model
```

```
model1 = OpenAIChat(  
    openai_api_key=api_key, model_name="gpt-4o-mini", temperature=0.1  
)
```

```
model2 = OpenAIChat(  
    openai_api_key=api_key, model_name="gpt-4o-mini", temperature=0.1  
)
```

```
model3 = OpenAIChat(  
    openai_api_key=api_key, model_name="gpt-4o-mini", temperature=0.1  
)
```

```
agent1 = Agent(  
    agent_name="Agent1",  
    llm=model1,  
    max_loops=1,  
    autosave=True,  
    dashboard=False,
```

```
verbose=True,  
  
dynamic_temperature_enabled=True,  
  
saved_state_path="agent1_state.json",  
  
user_name="swarms_corp",  
  
retry_attempts=1,  
  
context_length=200000,  
  
return_step_meta=False,  
  
)
```

```
agent2 = Agent(  
  
    agent_name="Agent2",  
  
    llm=model2,  
  
    max_loops=1,  
  
    autosave=True,  
  
    dashboard=False,  
  
    verbose=True,  
  
    dynamic_temperature_enabled=True,  
  
    saved_state_path="agent2_state.json",  
  
    user_name="swarms_corp",  
  
    retry_attempts=1,  
  
    context_length=200000,  
  
    return_step_meta=False,  
  
)
```

```
agent3 = Agent(  
  
    agent_name="Agent3",
```

```
llm=model3,  
max_loops=1,  
autosave=True,  
dashboard=False,  
verbose=True,  
dynamic_temperature_enabled=True,  
saved_state_path="agent3_state.json",  
user_name="swarms_corp",  
retry_attempts=1,  
context_length=200000,  
return_step_meta=False,  
)
```

```
aggregator_agent = Agent(  
    agent_name="AggregatorAgent",  
    llm=model1,  
    max_loops=1,  
    autosave=True,  
    dashboard=False,  
    verbose=True,  
    dynamic_temperature_enabled=True,  
    saved_state_path="aggregator_agent_state.json",  
    user_name="swarms_corp",  
    retry_attempts=1,  
    context_length=200000,  
    return_step_meta=False,
```

)

Create the Mixture of Agents class

moa = GroupChat(

agents=[agent1, agent2, agent3],

max_rounds=1,

group_objective="Establish a ROTH IRA",

selector_agent=aggregator_agent,

)

out = moa.run(

"How can I establish a ROTH IRA to buy stocks and get a tax break? What are the criteria?"

)

print(out)