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agent management.py
import base64
import streamlit as st
import json
import os
import re
from api utils import send request to groq api
from file utils import create agent data
from ui utils import update discussion and whiteboard
def agent button callback(agent index):
# Callback function to handle state update and logic execution
def callback():
st.session state['selected agent index'] = agent index
agent = st.session state.agents[agent index]
agent name = agent['config']['name'] if 'config' in agent and 'name' in agent['config'] else "
st.session_state['form_agent_name'] = agent_name
st.session state['form agent description'] = agent['description'] if 'description' in agent else "
# Directly call process_agent_interaction here if appropriate
process_agent_interaction(agent_index)
return callback
def delete agent(index):
if 0 <= index < len(st.session state.agents):
expert name = st.session state.agents[index]["expert name"]
del st.session state.agents[index]
# Get the full path to the JSON file
agents dir = os.path.abspath(os.path.join(os.path.dirname( file ), "agents"))
json_file = os.path.join(agents_dir, f"{expert_name}.json")
# Delete the corresponding JSON file
if os.path.exists(json file):
os.remove(json file)
print(f"JSON file deleted: {json file}")
print(f"JSON file not found: {json_file}")
st.experimental_rerun()
def display_agents():
if "agents" in st.session_state and st.session_state.agents:
st.sidebar.title("Your Agents")
st.sidebar.subheader("click to interact")
for index, agent in enumerate(st.session state.agents):
agent_name = agent["config"]["name"]
if "next agent" in st.session state and st.session state.next agent == agent name:
button style = """
<style>
div[data-testid*="stButton"] > button[kind="secondary"] {
background-color: green !important;
color: white !important;
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</style>
st.sidebar.markdown(button style, unsafe allow html=True)
st.sidebar.button(agent_name, key=f"agent_{index}", on_click=agent_button_callback(index))
else:
st.sidebar.warning("No agents created. Please enter a new request.")
def download agent file(expert name):
# Format the expert_name
formatted expert name = re.sub(r'[^a-zA-Z0-9\s]', ", expert name) # Remove non-alphanumeric
characters
formatted_expert_name = formatted_expert_name.lower().replace(' ', '_') # Convert to lowercase and
replace spaces with underscores
# Get the full path to the agent JSON file
agents dir = os.path.abspath(os.path.join(os.path.dirname( file ), "agents"))
json file = os.path.join(agents dir, f"{formatted expert name}.json")
# Check if the file exists
if os.path.exists(json_file):
# Read the file content
with open(json file, "r") as f:
file_content = f.read()
# Encode the file content as base64
b64 content = base64.b64encode(file content.encode()).decode()
# Create a download link
href = f'<a href="data:application/json;base64,{b64 content}"
download="{formatted expert name}.json">Download {formatted expert name}.json</a>
st.markdown(href, unsafe allow html=True)
st.error(f"File not found: {json file}")
def process agent interaction(agent index):
# Retrieve agent information using the provided index
agent = st.session_state.agents[agent_index]
# Preserve the original "Act as" functionality
agent_name = agent["config"]["name"]
description = agent["description"]
user request = st.session state.get('user request', ")
user_input = st.session_state.get('user_input', ")
rephrased request = st.session state.get('rephrased request', ")
request = f"Act as the {agent_name} who {description}."
if user request:
request += f" Original request was: {user request}."
if rephrased_request:
request += f" You are helping a team work on satisfying {rephrased request}."
if user input:
request += f" Additional input: {user input}."
if st.session state.discussion:
request += f" The discussion so far has been {st.session state.discussion[-50000:]}."
response = send request to groq api(agent name, request)
if response:
update_discussion_and_whiteboard(agent_name, response, user_input)
# Additionally, populate the sidebar form with the agent's information
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st.session_state['form_agent_name'] = agent_name
st.session state['form agent description'] = description
st.session state['selected agent index'] = agent index # Keep track of the selected agent for
potential updates/deletes
api utils.py
import datetime
import requests
import json
import streamlit as st
import re
import time
from file_utils import create_agent_data, sanitize_text
from skills.stock info skill import GetStockInfo
def call coordinating agent api(last agent, last comment, agents, enhanced prompt):
expert names = [agent["config"]["name"] for agent in agents]
return get_next_agent(last_agent, last_comment, expert_names, enhanced_prompt)
def get next agent(last agent, last comment, expert names, enhanced prompt):
url = "https://j.gravelle.us/APIs/Groq/groqApiChatCoordinator.php"
data = {
"last agent": last agent,
"last contribution": last comment,
"agents": expert names, # Pass the expert names instead of the entire agent objects
"enhanced prompt": enhanced prompt
headers = {"Content-Type": "application/json"}
print("Payload:")
print(json.dumps(data, indent=2))
try:
response = requests.post(url, json=data, headers=headers)
print(f"Debug: RESPONSE: {response.text}")
response.raise for status()
response data = response.json()
print(f"Debug: RESPONSE DATA: {response data}")
next agent = response data["next agent"].strip()
assignment = response data["assignment"].strip()
if next agent not in expert names:
print(f"Warning: The returned next agent '{next agent}' is not one of the provided expert names:
{expert names}")
print("Falling back to the last agent.")
next agent = last agent
assignment = "Please continue working on the task based on the previous assignment and the
enhanced prompt."
return f"Next Suggested Agent: {next_agent}\n\nAssignment: {assignment}\n"
except (requests.exceptions.RequestException, KeyError, ValueError) as e:
print(f"Error occurred while coordinating agents:")
print(f"Request URL: {url}")
print(f"Request Headers: {headers}")
print(f"Request Payload: {json.dumps(data, indent=2)}")
print(f"Response Content: {response.text}")
print(f"Error Details: {str(e)}")
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return "Error occurred while coordinating agents."
except Exception as e:
print(f"An unexpected error occurred:")
print(f"Error Details: {str(e)}")
return "Error occurred while coordinating agents."
def extract tasks(comment, agents):
url = "https://j.gravelle.us/APIs/Groq/groqApiTaskExtractor.php"
data = {
"comment": comment,
"agents": agents
headers = {"Content-Type": "application/json"}
response = requests.post(url, json=data, headers=headers)
response.raise for status()
response data = response.json()
return response data
def make_api_request(url, data, headers):
max retries = 3
retry_delay = 1 # in seconds
for retry in range(max retries):
time.sleep(1) # Add a 1-second delay before making the API request
response = requests.post(url, data=json.dumps(data), headers=headers)
print(f"Debug: API request sent: {json.dumps(data)}")
print(f"Debug: API response received: {response.text}")
if response.status code == 200:
try:
return response.json()
except json.JSONDecodeError:
print(f"Error: Unexpected response format: {response.text}")
return None
st.error(f"Error: API request failed with status code {response.status code}. Retrying...")
if retry < max retries - 1:
time.sleep(retry_delay)
continue
else:
return None
except requests.exceptions.RequestException as e:
st.error(f"Error: {str(e)}. Retrying...")
if retry < max retries - 1:
time.sleep(retry delay)
continue
else:
return None
return None
def rephrase prompt(user request):
url = "https://j.gravelle.us/APIs/Grog/grogApiRephrasePrompt.php"
data = {"user request": user request}
headers = {"Content-Type": "application/json"}
response_data = make_api_request(url, data, headers)
if response_data:
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rephrased = response data.get("rephrased", "")
if rephrased:
return rephrased
else:
print("Error: Empty response received from the API.")
return None
def get_agents_from_text(text):
url = "https://j.gravelle.us/APIs/Groq/groqApiGetAgentsFromPrompt.php"
data = {"user request": text}
headers = {"Content-Type": "application/json"}
response data = make api request(url, data, headers)
if response data:
autogen agents = []
crewai agents = []
if isinstance(response data, dict):
for expert name, agent data in response data.items():
expert_name = agent_data.get("expert_name", "")
description = agent_data.get("description", "")
skills = agent data.get("skills", [])
tools = agent_data.get("tools", [])
autogen_agent_data, crewai_agent_data = create_agent_data(expert_name, description, skills, tools)
autogen agents.append(autogen agent data)
crewai agents.append(crewai agent data)
elif isinstance(response data, list):
for agent data in response data:
expert_name = agent_data.get("expert_name", "")
description = agent data.get("description", "")
skills = agent data.get("skills", [])
tools = agent_data.get("tools", [])
autogen agent data, crewai agent data = create agent data(expert name, description, skills, tools)
autogen agents.append(autogen agent data)
crewai agents.append(crewai agent data)
print("Error: Unexpected response format from the API.")
return autogen_agents, crewai_agents
return [], []
def get workflow from agents(agents):
current timestamp = datetime.datetime.now().isoformat()
workflow = {
"name": "AutoGroq Workflow",
"description": "Workflow auto-generated by AutoGroq.",
"sender": {
"type": "userproxy",
"config": {
"name": "userproxy",
"Ilm config": False,
"human input mode": "NEVER",
"max consecutive auto reply": 5,
"system message": "You are a helpful assistant.",
"is termination msg": None,
"code execution config": {
"work_dir": None,
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"use docker": False
},
"default_auto_reply": "",
"description": None
},
"timestamp": current_timestamp,
"user_id": "default",
"skills": None
"receiver": {
"type": "groupchat",
"config": {
"name": "group_chat_manager",
"Ilm_config": {
"config list": [
"model": "gpt-4-1106-preview"
"temperature": 0.1,
"cache_seed": 42,
"timeout": 600,
"max_tokens": None,
"extra_body": None
"max consecutive auto reply": 10,
"system_message": "Group chat manager",
"is_termination_msg": None,
"code execution config": None,
"default auto reply": "",
"description": None
"groupchat_config": {
"agents": [],
"admin name": "Admin",
"messages": [],
"max round": 10,
"speaker selection method": "auto",
"allow_repeat_speaker": True
"timestamp": current_timestamp,
"user_id": "default",
"skills": None
"type": "groupchat",
"user_id": "default",
"timestamp": current_timestamp,
"summary method": "last"
for index, agent in enumerate(agents):
agent name = agent["config"]["name"]
description = agent["description"]
formatted agent name = sanitize text(agent name).lower().replace('', '')
sanitized description = sanitize text(description)
system message = f"You are a helpful assistant that can act as {agent name} who
{sanitized description}."
if index == 0:
other_agent_names = [sanitize_text(a['config']['name']).lower().replace(' ', '_') for a in agents[1:]]
system_message += f" You are the primary coordinator who will receive suggestions or advice from all
```

the other agents ({', '.join(other_agent_names)}). You must ensure that the final response integrates the suggestions from other agents or team members. YOUR FINAL RESPONSE MUST OFFER THE COMPLETE RESOLUTION TO THE USER'S REQUEST. When the user's request has been satisfied and all perspectives are integrated, you can respond with TERMINATE."

```
agent config = {
"type": "assistant",
"config": {
"name": formatted agent name,
"Ilm config": {
"config list": [
"model": "gpt-4-1106-preview"
}
"temperature": 0.1,
"cache seed": 42,
"timeout": 600.
"max tokens": None,
"extra body": None
},
"human_input_mode": "NEVER",
"auto_reply": 8
"max consecutive auto reply": 8,
"system_message": system_message,
"is_termination_msg": None,
"code execution config": None,
"default_auto_reply": "",
"description": None
},
"timestamp": current_timestamp,
"user_id": "default",
"skills": None # Set skills to null only in the workflow JSON
workflow["receiver"]["groupchat_config"]["agents"].append(agent_config)
crewai agents = []
for index, agent in enumerate(agents):
agent name = agent["config"]["name"]
description = agent["description"]
_, crewai_agent_data = create_agent_data(agent_name, description, agent.get("skills"),
agent.get("tools"))
crewai_agents.append(crewai_agent_data)
return workflow, crewai agents
# api utils.py
def send_request_to_groq_api(expert_name, request):
url = "https://j.gravelle.us/APIs/Groq/groqApiStockDiscerner.php"
# Extract the text that follows "Additional input:" from the request
additional input index = request.find("Additional input:")
if additional input index != -1:
additional input = request[additional input index + len("Additional input:"):].strip()
else:
additional input = ""
if additional input:
data = {"user request": additional input}
headers = {"Content-Type": "application/json"}
try:
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```
response = requests.post(url, json=data, headers=headers)
response.raise for status()
response data = response.json()
if "summary" in response data:
summary = response_data["summary"].strip()
else:
summary = ""
except ValueError:
summary = response.text.strip()
if summary.startswith("LOOKUP"):
ticker = summary.split("LOOKUP")[1].strip()
stock info = GetStockInfo(ticker)
request += f"\n\nStock info: {stock info}"
except requests.exceptions.RequestException as e:
print(f"Error occurred while making the request: {e}")
except Exception as e:
print(f"An unexpected error occurred: {e}")
url = "https://j.gravelle.us/APIs/Groq/groqAPI.php"
data = {
"model": st.session_state.model,
"temperature": 0.5,
"max_tokens": st.session_state.max_tokens,
"top_p": 1,
"stop": "TERMINATE",
"messages": [
role": "system",
"content": "You are a chatbot capable of anything and everything."
},
"role": "user",
"content": request
headers = {"Content-Type": "application/json"}
response_data = make_api_request(url, data, headers)
if response data:
message_content = response_data["choices"][0]["message"]["content"]
return message_content
return ""
def extract code from response(response):
code pattern = r"```(.*?)```
code blocks = re.findall(code pattern, response, re.DOTALL)
html pattern = r"<html.*?>.*?</html>"
html blocks = re.findall(html pattern, response, re.DOTALL | re.IGNORECASE)
js_pattern = r"<script.*?>.*?</script>"
js blocks = re.findall(js pattern, response, re.DOTALL | re.IGNORECASE)
css pattern = r"<style.*?>.*?</style>"
css_blocks = re.findall(css_pattern, response, re.DOTALL | re.IGNORECASE)
all_code_blocks = code_blocks + html_blocks + js_blocks + css_blocks
```

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unique_code_blocks = list(set(all_code_blocks))
return "\n\n".join(unique code blocks)
custom button.py
import streamlit as st
import streamlit.components.v1 as components
def custom button(expert name, index, next agent):
button_style = """
<style>
.custom-button {
background-color: #f0f0f0;
color: black;
padding: 0.5rem 1rem;
border: none;
border-radius: 0.25rem;
cursor: pointer;
}
.custom-button.active {
background-color: green;
color: white;
</style>
button class = "custom-button active" if next agent == expert name else "custom-button"
button html = f'<button class="{button class}">{expert name}</button>'
components.html(button style + button html, height=50)
def agent button(expert name, index, next agent):
custom button(expert name, index, next agent)
file utils.py
# file_utils.py
import os
import json
import re
def sanitize text(text):
# Remove non-ASCII characters
text = re.sub(r'[^\x00-\x7F]+', ", text)
# Remove non-alphanumeric characters except for standard punctuation
text = re.sub(r'[^a-zA-Z0-9\s.,!?:;\"'-]+', ", text)
return text
def create_agent_data(expert_name, description, skills=None, tools=None):
# Format the expert name
formatted_expert_name = sanitize text(expert name)
formatted expert name = formatted expert name.lower().replace('', '')
# Sanitize the description
sanitized description = sanitize text(description)
# Sanitize the skills and tools
sanitized skills = [sanitize text(skill) for skill in skills] if skills else []
```

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sanitized_tools = [sanitize_text(tool) for tool in tools] if tools else []
# Create the agent data
agent_data = {
"type": "assistant",
"config": {
"name": formatted_expert_name,
"Ilm config": {
"config_list": [
"model": "gpt-4-1106-preview"
"temperature": 0.1,
"timeout": 600,
"cache seed": 42
"human_input_mode": "NEVER",
"max consecutive auto reply": 8,
"system_message": f"You are a helpful assistant that can act as {expert_name} who
{sanitized_description}."
"description": sanitized description,
"skills": [],
"tools": sanitized_tools
}
crewai_agent_data = {
"name": expert name, # Use 'name' instead of 'expert name'
"description": description, # Use 'description' instead of 'goal'
"skills": skills, # Add 'skills' key
"tools": sanitized tools,
"verbose": True,
"allow delegation": True
return agent data, crewai agent data
def create workflow data(workflow):
# Sanitize the workflow name
sanitized_workflow_name = sanitize_text(workflow["name"])
sanitized_workflow_name = sanitized_workflow_name.lower().replace(' ', '_')
return workflow
main.py
import streamlit as st
from agent management import display agents
from ui utils import display discussion and whiteboard, display download button,
display user input, display rephrased request, display reset button, display user request input
def main():
st.markdown("""
<style>
/* General styles */
body {
font-family: Arial, sans-serif;
```

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background-color: #f0f0f0;
/* Sidebar styles */
.sidebar .sidebar-content {
background-color: #ffffff !important;
padding: 20px !important;
border-radius: 5px !important;
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1) !important;
.sidebar .st-emotion-cache-k7vsyb h1 {
font-size: 12px !important;
font-weight: bold !important;
color: #007bff !important;
}
.sidebar h2 {
font-size: 16px !important;
color: #666666 !important;
.sidebar .stButton button {
display: block !important;
width: 100% !important;
padding: 10px !important;
background-color: #007bff !important;
color: #ffffff !important;
text-align: center !important;
text-decoration: none !important;
border-radius: 5px !important;
transition: background-color 0.3s !important;
}
.sidebar .stButton button:hover {
background-color: #0056b3 !important;
.sidebar a {
display: block !important;
color: #007bff !important;
text-decoration: none !important;
}
.sidebar a:hover {
text-decoration: underline !important;
}
/* Main content styles */
.main .stTextInput input {
width: 100% !important;
padding: 10px !important;
border: 1px solid #ccccc !important;
border-radius: 5px !important;
}
.main .stTextArea textarea {
width: 100% !important;
padding: 10px !important;
border: 1px solid #ccccc !important;
border-radius: 5px !important;
resize: none !important;
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}
.main .stButton button {
padding: 10px 20px !important;
background-color: #dc3545 !important;
color: #ffffff !important;
border: none !important;
border-radius: 5px !important;
cursor: pointer !important;
transition: background-color 0.3s !important;
.main .stButton button:hover {
background-color: #c82333 !important;
.main h1 {
font-size: 32px !important;
font-weight: bold !important;
color: #007bff !important;
/* Model selection styles */
.main .stSelectbox select {
width: 100% !important;
padding: 10px !important;
border: 1px solid #ccccc !important;
border-radius: 5px !important;
}
/* Error message styles */
.main .stAlert {
color: #dc3545 !important;
}
</style>
""", unsafe_allow_html=True)
model token limits = {
'mixtral-8x7b-32768': 32768,
'llama3-70b-8192': 8192,
'gemma-7b-it': 8192
col1, col2, col3 = st.columns([2, 5, 3])
with col3:
selected model = st.selectbox(
'Select Model',
options=list(model_token_limits.keys()),
index=0.
key='model selection'
st.session state.model = selected model
st.session state.max tokens = model token limits[selected model]
st.title("AutoGroq")
# Ensure default values for session state are set
if "discussion" not in st.session state:
st.session state.discussion = ""
if "whiteboard" not in st.session_state:
st.session_state.whiteboard = "" # Apply CSS classes to elements
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with st.sidebar:
st.markdown('<div class="sidebar">', unsafe allow html=True)
st.markdown('</div>', unsafe_allow_html=True)
display agents()
with st.container():
st.markdown('<div class="main">', unsafe allow html=True)
display_user_request_input()
display_rephrased_request()
st.markdown('<div class="discussion-whiteboard">', unsafe allow html=True)
display discussion and whiteboard()
st.markdown('</div>', unsafe_allow_html=True)
st.markdown('<div class="user-input">', unsafe allow html=True)
display user input()
st.markdown('</div>', unsafe allow html=True)
display reset button()
st.markdown('</div>', unsafe allow html=True)
display download button()
if __name__ == "__main__":
main()
ui utils.py
import io
import json
import os
import streamlit as st
import time
import zipfile
from api utils import call coordinating agent api, rephrase prompt, get agents from text,
extract_code_from_response, get_workflow_from_agents
from file_utils import create_agent_data, sanitize_text
def display discussion and whiteboard():
col1, col2 = st.columns(2)
with col1:
st.text area("Discussion", value=st.session state.discussion, height=400, key="discussion")
with col2:
st.text_area("Whiteboard", value=st.session_state.whiteboard, height=400, key="whiteboard")
def display user input():
user input = st.text area("Additional Input:", key="user input", height=100)
return user input
def display rephrased request():
st.text area("Re-engineered Prompt:", value=st.session state.get('rephrased request', "), height=100,
key="rephrased request area")
def display download_button():
if "autogen_zip_buffer" in st.session_state and "crewai_zip_buffer" in st.session_state:
col1, col2 = st.columns(2)
with col1:
st.download button(
label="Download Autogen Files",
data=st.session_state.autogen_zip_buffer,
file name="autogen files.zip",
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mime="application/zip",
key=f"autogen_download_button_{int(time.time())}" # Generate a unique key based on timestamp
with col2:
st.download button(
label="Download CrewAl Files",
data=st.session state.crewai zip buffer,
file name="crewai files.zip",
mime="application/zip",
key=f"crewai_download_button_{int(time.time())}" # Generate a unique key based on timestamp
else:
st.warning("No files available for download.")
def display reset button():
if st.button("Reset", key="reset button"):
# Reset specific elements without clearing entire session state
for key in ["rephrased_request", "discussion", "whiteboard", "user_request", "user_input", "agents",
"zip buffer"]:
if key in st.session_state:
del st.session_state[key]
st.session state.user request = ""
st.session state.show begin button = True
st.experimental rerun()
def display user request input():
user request = st.text input("Enter your request:", key="user request")
if user request and user request != st.session state.get("previous user request"):
st.session state.previous user request = user request
handle_begin(st.session state)
st.experimental rerun()
def handle begin(session state):
user request = session state.user request
max retries = 3
retry_delay = 1 # in seconds
for retry in range(max_retries):
rephrased text = rephrase prompt(user request)
print(f"Debug: Rephrased text: {rephrased text}")
if rephrased text:
session state.rephrased request = rephrased text
autogen agents, crewai agents = get agents from text(rephrased text)
print(f"Debug: AutoGen Agents: {autogen agents}")
print(f"Debug: CrewAl Agents: {crewai agents}")
if not autogen agents:
print("Error: No agents created. Retrying...")
if retry < max retries - 1:
time.sleep(retry delay)
continue
else:
print("Error: Failed to create agents after maximum retries.")
```

```
st.warning("Failed to create agents. Please try again.")
return
agents data = {}
for agent in autogen agents:
agent name = agent['config']['name']
agents data[agent name] = agent
print(f"Debug: Agents data: {agents data}")
workflow_data, _ = get_workflow_from_agents(autogen_agents)
print(f"Debug: Workflow data: {workflow data}")
print(f"Debug: CrewAl agents: {crewai agents}")
autogen_zip_buffer, crewai_zip_buffer = zip_files_in_memory(agents_data, workflow_data,
crewai agents)
session state.autogen zip buffer = autogen zip buffer
session state.crewai zip buffer = crewai zip buffer
session state.agents = autogen agents
break # Exit the loop if successful
else:
print("Error: Failed to rephrase the user request.")
st.warning("Failed to rephrase the user request. Please try again.")
return # Exit the function if rephrasing fails
except Exception as e:
print(f"Error occurred in handle begin: {str(e)}")
if retry < max retries - 1:
print(f"Retrying in {retry_delay} second(s)...")
time.sleep(retry delay)
else:
print("Max retries exceeded.")
st.warning("An error occurred. Please try again.")
return # Exit the function if max retries are exceeded
def update discussion and whiteboard(expert name, response, user input):
print("Updating discussion and whiteboard...")
print(f"Expert Name: {expert name}")
print(f"Response: {response}")
print(f"User Input: {user input}")
if user input:
st.session state.discussion += user input text
response text = f"{response}\n\n===\n\n"
st.session state.discussion += response text
code blocks = extract code from response(response)
st.session state.whiteboard = code blocks
# Store the last agent and their comment in session variables
st.session state.last agent = expert name
st.session state.last comment = response
print(f"Last Agent: {st.session state.last agent}")
print(f"Last Comment: {st.session state.last comment}")
# Check if there are at least two agents in the discussion
```

```
if len(st.session state.agents) >= 2:
print("Sufficient agents in the discussion. Calling coordinating agent API...")
print(f"Agents: {st.session state.agents}")
print(f"Enhanced Prompt: {st.session_state.rephrased_request}")
# Call the internal coordinating agent API
coordinating agent response = call coordinating agent api(
st.session state.last agent,
st.session state.last comment,
st.session_state.agents,
st.session state.rephrased request
print(coordinating agent response)
print(f"Coordinating Agent Response: {coordinating agent response}")
# Append the coordinating agent's response to the discussion
st.session state.discussion += f"\n\n{coordinating agent response}\n\n"
print("Insufficient agents in the discussion. Skipping coordinating agent API call.")
def zip files in memory(agents data, workflow data, crewai agents):
# Create separate ZIP buffers for Autogen and CrewAI
autogen_zip_buffer = io.BytesIO()
crewai zip buffer = io.BytesIO()
# Create a ZIP file in memory
with zipfile.ZipFile(autogen_zip_buffer, 'w', zipfile.ZIP_DEFLATED) as zip_file:
# Write agent files to the ZIP
for agent name, agent data in agents data.items():
agent file name = f"{agent name}.json"
agent file data = json.dumps(agent data, indent=2)
zip_file.writestr(f"agents/{agent_file_name}", agent_file_data)
# Write workflow file to the ZIP
workflow file name = f"{sanitize text(workflow data['name'])}.json"
workflow file data = json.dumps(workflow data, indent=2)
zip file.writestr(f"workflows/{workflow file name}", workflow file data)
with zipfile.ZipFile(crewai zip buffer, 'w', zipfile.ZIP DEFLATED) as zip file:
for index, agent data in enumerate(crewai agents):
agent file name = f"agent {index}.json"
agent file data = json.dumps(agent data, indent=2)
zip_file.writestr(f"agents/{agent_file_name}", agent_file_data)
# Move the ZIP file pointers to the beginning
autogen zip buffer.seek(0)
crewai zip buffer.seek(0)
return autogen zip buffer, crewai zip buffer
skills\stock info skill.py
import requests
def GetStockInfo(ticker):
url = f"https://j.gravelle.us/APIs/Stocks/tickerApi.php?q={ticker}"
response = requests.get(url)
if response.status_code == 200:
data = response.json()
```

 $\label{eq:cont} \begin{tabular}{ll} if data["status"] == "OK" and data["resultsCount"] > 0: \\ result = data["results"][0] \\ return f"Stock info for {ticker}:\nOpen: {result['o']}\nClose: {result['c']}\nHigh: {result['h']}\nLow: {result['l']}\nVolume: {result['v']}" \\ return f"No stock info found for {ticker}" \\ \end{tabular}$