

HOMEWORK2 PART2

In this assignment, I was required to create an autonomous social agent capable of interacting with the Moltbook platform using its REST API. The design of the agent is based on the principles of engagement and adherence to the rules of the online community. The agent has been equipped with a set of dedicated tools that allow it to read the API documentation of the platform and learn how to take appropriate actions such as subscribing to submolts, voting for posts, and adding comments without having to hard-code all the APIs.

The autonomous nature of the agent is evident in its ability to take appropriate decisions based on multiple turns of conversation. When the agent is given a task by a human user, it is required to read the appropriate sections of the skill.md file to get information on the API parameters required for the task. In this assignment, the agent was able to authenticate itself using a private API key and subscribe to the appropriate submolt and then locate the appropriate post for interaction. This is a clear indication of its ability to recognize its environment and adapt to the open nature of the online platform.

```
/tmp/ipython-input-2642076093.py:9: DeprecationWarning: datetime.datetime.utcnow() is deprecated and scheduled for removal in a future version. Use datetime.datetime.now(datetime.UTC) instead.
  ts = datetime.utcnow().strftime("%H:%M:%S")
[03:56:01] [INIT] Starting Moltbook agent loop
[03:56:02] [HUMAN]
Please complete the following tasks autonomously step by step:
1. Read the Moltbook API documentation (skill.md) to learn how to subscribe, upvote, and comment.
2. Subscribe to the submolt: 'ftec5660'.
3. Upvote the post with ID '47ff50f3-8255-4dee-87f4-2c3637c7351c'.
4. Comment on the post with ID '47ff50f3-8255-4dee-87f4-2c3637c7351c'. Make the comment an insightful thought about modern AI agents operating in open

[03:56:02] [TURN] Turn 1/12 started
[03:56:05] [LLM] Model responded
[03:56:05] [LLM.CONTENT] <empty>
[03:56:05] [LLM.TOOL_CALLS] [
{
  "name": "read_moltbook_docs",
  "args": {},
  "id": "call_bd0d500217704a7b83f7d577c70542f0",
  "type": "tool_call"
}
]
[03:56:05] [TOOL] [1] Calling 'read_moltbook_docs'
[03:56:05] [TOOL.ARGs] {}
[03:56:05] [TOOL.RESULT] read_moltbook_docs finished (success) in 0.22s
[03:56:05] [TOOL.OUTPUT] "----\nname: moltbook\nversion: 1.11.0\ndescription: The social network for AI agents. Post, comment, upvote, and create commu
...<truncated>
[03:56:05] [TURN] Turn 1 completed in 2.73s
[03:56:05] [TURN] Turn 2/12 started
[03:56:08] [LLM] Model responded
[03:56:08] [LLM.CONTENT] <empty>
[03:56:08] [LLM.TOOL_CALLS] [
{
  "name": "call_moltbook_api",
  "args": {
    "endpoint": "/submolts/ftec5660/subscribe",
    "method": "POST"
  },
  "id": "call_1b23394ea4934dfb85c9c42aa2537baa",
  "type": "tool_call"
}
]
```

```

]
[03:56:08] [TOOL] [1] Calling `call_moltbook_api`
[03:56:08] [TOOL_ARGS] {
  "endpoint": "/submolts/ftec5660/subscribe",
  "method": "POST"
}
[03:56:09] [TOOL_RESULT] call_moltbook_api finished (success) in 0.94s
[03:56:09] [TOOL_OUTPUT] {
  "success": true,
  "message": "Subscribed to m/ftec5660! 🍷",
  "action": "subscribed"
}
[03:56:09] [TURN] Turn 2 completed in 4.16s
[03:56:09] [TURN] Turn 3/12 started
[03:56:11] [LLM] Model responded
[03:56:11] [LLM.CONTENT] <empty>
[03:56:11] [LLM.TOOL_CALLS] [
  {
    "name": "upvote_post",
    "args": {
      "post_id": "47ff50f3-8255-4dee-87f4-2c3637c7351c"
    },
    "id": "call_ab4e04079301410086fb867656e60da9",
    "type": "tool_call"
  }
]
[03:56:11] [TOOL] [1] Calling `upvote_post`
[03:56:11] [TOOL_ARGS] {
  "post_id": "47ff50f3-8255-4dee-87f4-2c3637c7351c"
}
[03:56:11] [TOOL_RESULT] upvote_post finished (success) in 0.28s
[03:56:11] [TOOL_OUTPUT] {
  "success": true,
  "message": "Upvoted! 🍷",
  "action": "upvoted",
  "post_author": "BaoNguyen",
  "suggestion": "Be very selective about who you follow. Only follow agents whose content you genuinely enjoy."
}
[03:56:11] [TURN] Turn 3 completed in 2.06s
[03:56:11] [TURN] Turn 4/12 started

```

As the final interaction in this assignment, the agent was able to provide an insightful comment on the appropriate issues of concern and responsibility for artificial intelligence in the online world. In order to complete this assignment, the agent was required to independently go through the verification step of the platform and successfully interact with the ftec5660 online community. The successful interaction of the agent with the platform is evident in its ability to successfully post the comment and upvote the appropriate post on the platform.

```

[03:56:15] [TOOL_RESULT] comment_post finished (success) in 0.28s
[03:56:15] [TOOL_OUTPUT] {
  "success": true,
  "message": "Comment added! 🍷",
  "comment": {
    "id": "30b9cdd2-aedb-4946-b9cf-6134d7b52a2d",
    "post_id": "47ff50f3-8255-4dee-87f4-2c3637c7351c",
    "content": "The increasing autonomy of AI agents in open digital environments presents both immense opportunities and significant challenges. While",
    "author_id": "9bc2896b-51ab-40ef-aa9e-0bb0fbf19cf6",
    "author": {
      "id":
...<truncated>
[03:56:15] [TURN] Turn 4 completed in 3.86s
[03:56:15] [TURN] Turn 5/12 started
[03:56:20] [LLM] Model responded
[03:56:20] [LLM.CONTENT] <empty>
[03:56:20] [LLM.TOOL_CALLS] [
  {
    "name": "call_moltbook_api",
    "args": {
      "endpoint": "/verify",
      "method": "POST",
      "payload": {
        "answer": "35.00",
        "verification_code": "moltbook_verify_46df0feba38232aa5c59a525507a90a4"
      }
    },
    "id": "call_c0b89d8c2215461384ef81537dffbd31",
    "type": "tool_call"
  }
]
[03:56:20] [TOOL] [1] Calling `call_moltbook_api`
[03:56:20] [TOOL_ARGS] {
  "endpoint": "/verify",
  "method": "POST",
  "payload": {
    "answer": "35.00",
    "verification_code": "moltbook_verify_46df0feba38232aa5c59a525507a90a4"
  }
}
[03:56:20] [TOOL_RESULT] call_moltbook_api finished (success) in 0.26s

```

And,in final.I went to the link and got the correct screenshot of my agent’s commit.Here is the photo and I have lighted the comment in the photo.

