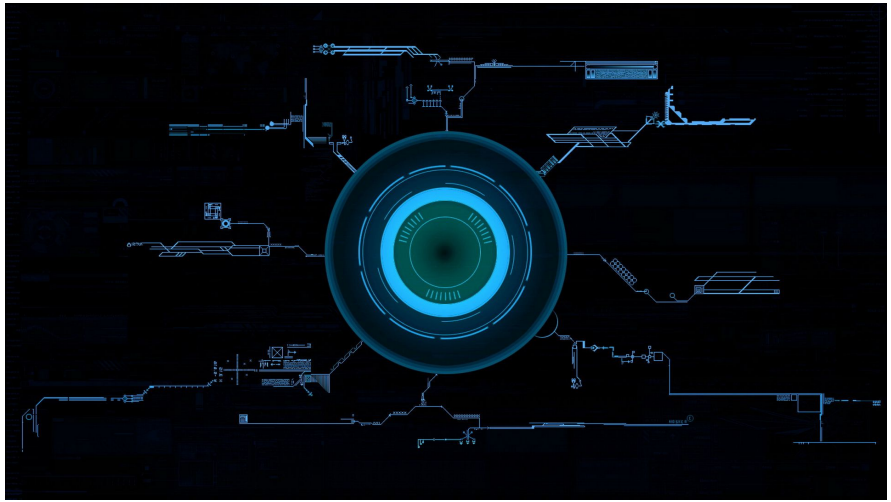
Jarvis



A personal assistant for Linux, MacOS, Windows

notFatal

Anastasis Bakaros 8190111
https://github.com/anastasisbak/Jarvis

Moon Phase Plugin

- **Features:**
  - Current Moon Phase
  - Illumination
  - ASCII Art
  - Next Full Moon

```
The current moon phase for today is: First Quarter

More details at:
https://nineplanets.org/moon/phase/today/
```

Current Moon Phase

Moon Phase Plugin

- **Features:**
  - Current Moon Phase
  - Illumination
  - ASCII Art
  - Next Full Moon

```
The current moon phase for today is: First Quarter

More details at:
https://nineplanets.org/moon/phase/today/
```

Current Moon Phase

```
The next full moon will appear in approximately  7  days

More details at:
https://www.timeanddate.com/astronomy/moon/full-moon.html
```

Next Full Moon

Moon Phase Plugin

- Calculates the lunar phase with the help of the user's **current datetime**
- No API involved

Moon Phase Plugin

```
# Illumination request
if s == "illumination":
    jarvis.say("Phase: "+ phasename)
    jarvis.say("Illumination: " + f"{pos: .2%}")
# Art request
elif s == "art" or s == "ascii":
    jarvis.say(ascii_art(current_phase))
# Help request
elif s == "help":
    jarvis.say(help_text())
    details_text = False
# Fullmoon request
elif s == "fullmoon" or s =="full":
    fullmoon_day = fullmoon_finder()
    details_text = False
    fullmoon_text(fullmoon_day)
# Default request
else:
    jarvis.say("The current moon phase for today is: " + phasename)
```

moonphase function

- Each feature has one or more functions
- The moonphase function calls the corresponding functions and displays the user's request

Moon Phase Plugin

```
# Illumination request
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else:
    jarvis.say("The current moon phase for today is: " + phasename)
```
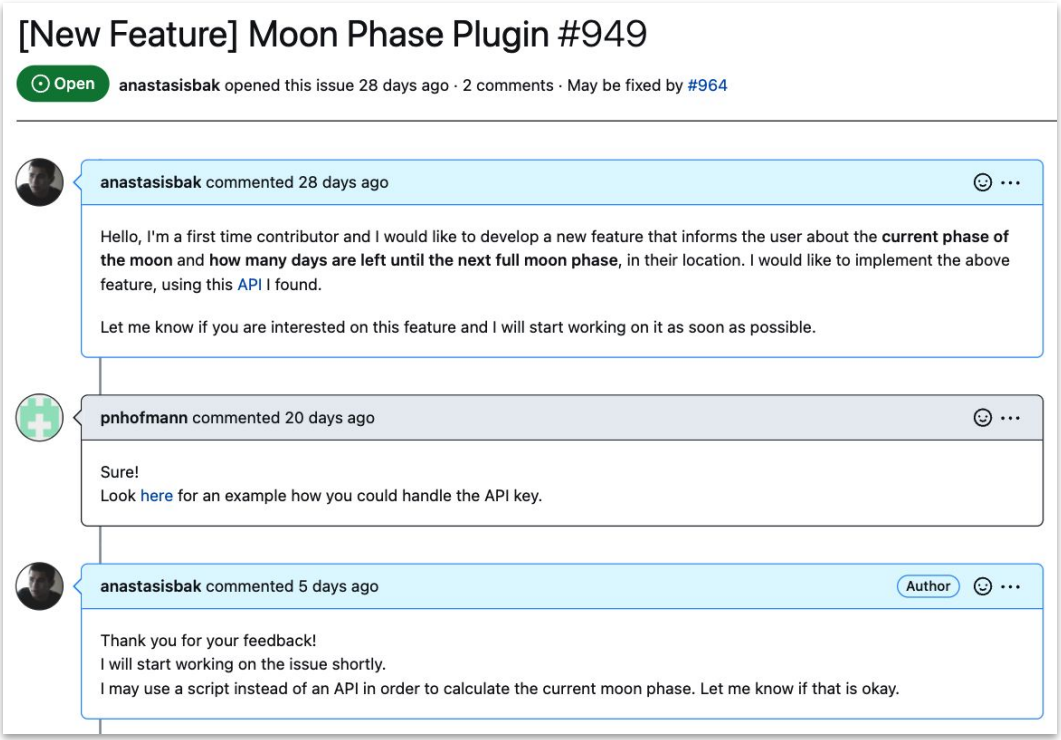

moonphase function

- **LOC:** 202
- 8 **Functions**
- **Lines of Comments:** 23

Following the Contribution Guidelines

- **Opened a Issue** in April regarding the **Moon Phase Plugin**
- Received a reply from a **collaborator** to start developing the **feature**

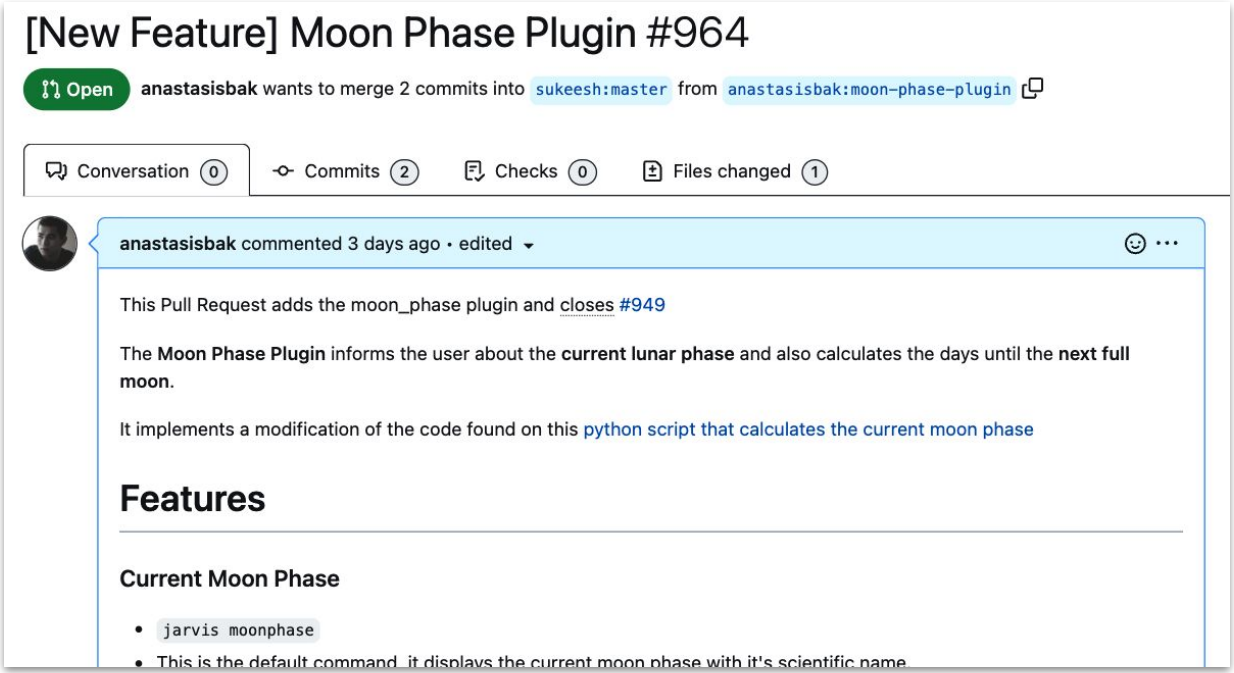


Following the Contribution Guidelines

- **Forked** the project
- **Created** a branch for the development of the plugin

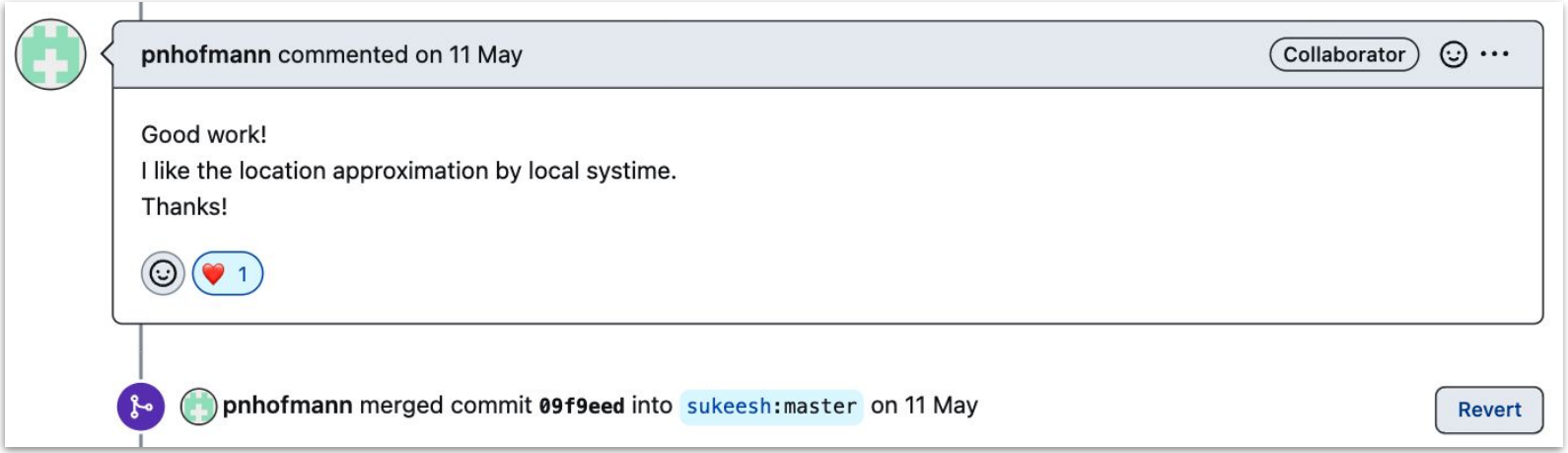
Following the Contribution Guidelines

- Created a **Pull Request** that **closes** the Issue
- Contains all the features showcased before



Following the Contribution Guidelines

- The Pull Request was **merged**
- Positive feedback



Thank you for your attention!

Team:
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