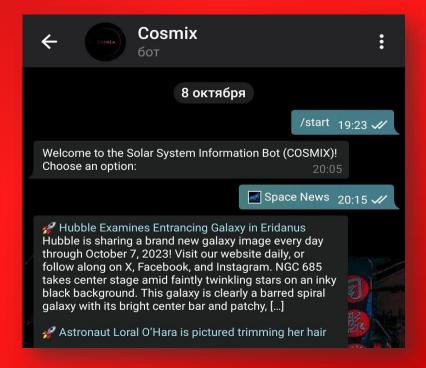
NASA SPACE APP CHALLENGE: CREATE YOUR OWN CHALLANGE

Team: SOOMONI_BLOOD_OVERFLAW

INTRODUCTION OF BOT

Meet our Cosmix - Solar System
Educational Bot, your gateway to the
cosmos. It's your celestial companion
for space exploration, offering planet
details, real-time astronomy news,
captivating images, space facts, Mars
weather updates, asteroid tracking, and
the International Space Station's
current location. Explore, learn, and be
inspired by the universe, all in one
bot!



PURPOSE

WE'RE THRILLED TO SHARE THE PURPOSE OF OUR BOT. ITS PRIMARY GOAL IS TO MAKE LEARNING ABOUT SPACE NOT ONLY EDUCATIONAL BUT ALSO FUN FOR CHILDREN AND ENTHUSIASTS OF ALL AGES.

FUNCTIONS

Astronomy News Astronomy Picture of the Day (APOD)

Space Facts ISS Location Planetary Exploration

- Stay up-to-date with the latest happenings in the cosmos from groundbreaking discoveries to cosmic events which receive news from RSS feed of NASA
- Immerse
 yourself in the
 breathtaking
 beauty of the
 cosmos with a
 daily dose of
 captivating
 celestial
 imagery.
- Delve into the depths of space knowledge with fascinating and intriguing space facts that will leave you awestruck.
- Track the realtime location of the International Space Station (ISS) as it orbits our planet and astronauts in spaceships.
- Learn about the planets in our Solar System, each with its own captivating description and mesmerizing imagery.

HOW BOT WAS

OUR SOLAR SYSTEM
INFORMATION BOT IS
POWERED BY PYTHON
AND LEVERAGES
SEVERAL LIBRARIES
AND APIS TO
PROVIDE YOU WITH
ACCURATE AND UPTO-DATE SPACE
INFORMATION.
HERE'S A GLIMPSE
INTO HOW IT
OPERATES

Leverages the aiogram library to interact with Telegram's API for user communication

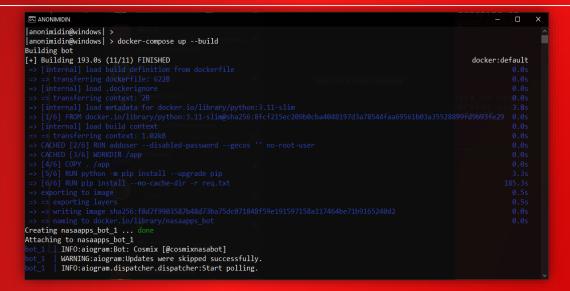
Corporates the BeautifulSoup library for web scraping to fetch space news.

Accesses NASA's API to retrieve Astronomy Picture of the Day (APOD) images and data.

Randomly outputs space facts from a local text file for added entertainment

Fetches data on near-Earth asteroids using NASA's API Tracks the
International Space
Station (ISS) location
in real-time using an
external API and who
is in the ship with
linked in their wiki
bas

Run bot easyly in any OS via securied docker containers



FUTURE IDEAS FOR BOT

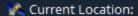
IN THE FUTURE, WE PLAN TO EXPAND THE BOT'S CAPABILITIES TO ENHANCE ITS EDUCATIONAL VALUE:

- 1-INTERACTIVE QUIZZES- WE'LL INTRODUCE SPACE-THEMED QUIZZES TO TEST AND REINFORCE KNOWLEDGE.
- **2-SPACE HISTORY-** ADDING HISTORICAL SPACE EVENTS TO PROVIDE CONTEXT FOR CURRENT DISCOVERIES.
- **3.ASTRONAUT INSIGHTS.** INTERVIEWS AND STORIES FROM ASTRONAUTS TO INSPIRE THE NEXT GENERATION OF SPACE EXPLORERS.
- 4.FEEDBACK. WE'RE GOING TO ADD FEEDBACK FUNCTION FOR THE USERS THAT THEY COULD SENT THEIR IDEAS AND SUGGESTIONS DIRECTLY TO THE ADMIN E-MAIL OR TO IT'S TG ID.
 - 5-BUGS THAT NEED TO BE FIXED- MARS WEATHER AND PLANETS FUNCTION OF BOT WILL BE FIXED IN FUTURE UPDATES



🏂 The ISS: The International Space Station is a space station located in low Earth orbit. It is a multinational collaborative project involving space agencies such as NASA (United States), Roscosmos (Russia), ESA (European Space Agency), JAXA (Japan Aerospace Exploration Agency), and CSA (Canadian Space Agency). It serves as a platform for scientific research, technological development, and international cooperation in space exploration.

The ISS orbits the Earth approximately every 90 minutes, providing a unique vantage point for scientific experiments and observations of our planet. It is a symbol of international cooperation in space exploration and continues to play a crucial role in advancing our understanding of life in space and conducting research in microgravity environments.

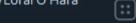


- Latitude: 44.7955
- Longitude: 11.3466

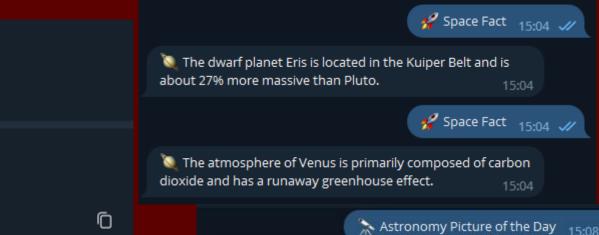
Astronauts on board:

- · Jing Haiping on Tiangong
- · Gui Haichow on Tiangong
- · Zhu Yangzhu on Tiangong
- Jasmin Moghbeli on ISS
- Andreas Mogensen on ISS
- Satoshi Furukawa on ISS
- Konstantin Borisov on ISS
- Oleg Kononenko on ISS
- Nikolai Chub on ISS
- Loral O'Hara on ISS

https://en.wikipedia.org/wiki/Loral O'Hara



SCREENSHOTS



Welcome to the Solar System Information Bot! Choose an option:



Hubble Examines Entrancing Galaxy in Eridanus

Cosmix

Learn about space with us

Информация

@cosmixnasabot

(i)

Planets

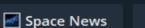
🔭 Astronomy ...

Hubble is sharing a brand new galaxy image every day through October 7, 2023! Visit our website daily, or follow along on X,



Facebook, and Instagram. NGC 685 takes center stage amid faintly twinkling stars on an inky black background. This galaxy is clearly a barred spiral galaxy with its bright center bar and patchy, [...]





🚀 Space Fact



Near-Earth ...



🬦 Mars Weath...

M ISS Location







Plane, Clouds, Moon, Spots, Sun 15:08

What's that in front of the Sun? The closest object is an airplane, visible just below the Sun's center and caught purely by chance. Next out are numerous clouds in Earth's atmosphere, creating a series of darkened horizontal streaks. Farther out is Earth's Moon, seen as the large dark circular bite on the upper right. Just above the airplane and just below the Sun's surface are sunspots. The main sunspot group captured

15:08



THANKS FOR YOUR ATTENTION

SOMONI_BLOOD_OVERFLAW

For Nasa Space App

Contacts:
shadowxOOOx@protonmail.ch
sherkavich.a@gmail.com

Project pushed to GitHub: https://github.com/anonimidin/cosmix