

```
Hugo GitHub Actions Issue
                                                                        # Setup logger to track runtime
Positive Feedback for Docs
                                                                        loguru.logger.add("scrape.log", rotation="1 day")
Longest Substring Optimizati
                                                                        # Create data dir if needed
Runtime complexity analysis
                                                                        loguru.logger.info("Creating data directory if it
Fixing Python Code
                                                                     does not exist")
                                                                        try:
                                                                          os.makedirs("data", exist_ok=True)
                                                                        except Exception as e:
Induction vs Big-O
                                                                          loguru.logger.error(f"Failed to create data
                                                                      directory: {e}")
Min-Heap Keys and Values
                                                                          sys.exit(1)
GS Algorithm Proposal Bias
                                                                        # Load daily event monitor
Joint Venture vs Acquisition
                                                                        loguru.logger.info("Loading daily event monitor")
                                                                        dem = daily_event_monitor.DailyEventMonitor(
                                                                           "data/daily_pennsylvanian_headlines.json"
Pixxel Independence Status
                                                                                    \downarrow
Pixxel Acquisition vs JV
                                        Ask anything
Satellite Resolution Comparis
Report Analysis Summary

⊕ Search

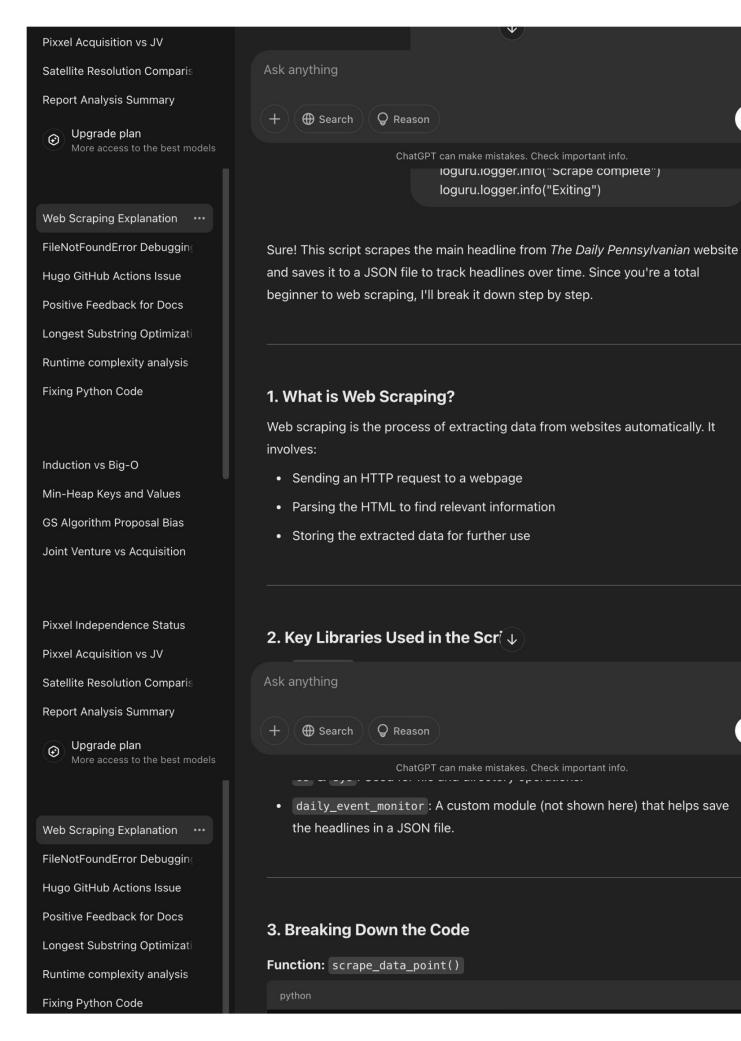
                                                            Reason
     Upgrade plan
     More access to the best models
                                                                ChatGPT can make mistakes. Check important info.
                                                                      politic let 1
                                                                          data_point = None
Web Scraping Explanation ...
                                                                        # Save data
                                                                        if data_point is not None:
FileNotFoundError Debugging
                                                                          dem.add_today(data_point)
Hugo GitHub Actions Issue
                                                                          dem.save()
                                                                          loguru.logger.info("Saved daily event monitor")
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                                                                        def print_tree(directory, ignore_dirs=[".git",
                                                                      "__pycache__"]):
Runtime complexity analysis
                                                                          loguru.logger.info(f"Printing tree of files/dirs at
Fixing Python Code
                                                                      {directory}")
                                                                          for root, dirs, files in os.walk(directory):
                                                                             dirs[:] = [d for d in dirs if d not in ignore_dirs]
                                                                             level = root.replace(directory,
Induction vs Big-O
                                                                      "").count(os.sep)
Min-Heap Keys and Values
                                                                             indent = " " * 4 * (level)
                                                                             loguru.logger.info(f"{indent}+--
GS Algorithm Proposal Bias
                                                                      {os.path.basename(root)}/")
Joint Venture vs Acquisition
                                                                             sub_indent = " " * 4 * (level + 1)
```

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for file in files:

print_tree(r_getcwd())

loguru.logger.info(f"{sub_indent}+--{file}")



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```
def scrape_data_point():
    headers = {
        "User-Agent": "cis3500-scraper"
    }

    req = requests.get("https://www.thedp.com", headers=headers)
    loguru.logger.info(f"Request URL: {req.url}")
    loguru.logger.info(f"Request status code: {req.status_code}")

if req.ok:
    soup = bs4.BeautifulSoup(req.text, "html.parser")
    target_element = soup.fin ""a", class_="frontpage-link")
    data_point = "" if target_element is None else target_element
```

Ask anything





ChatGPT can make mistakes. Check important info.

library.

- 2. Checks if the request was successful (req.ok).
- 3. Parses the HTML using BeautifulSoup.
- 4. Finds the main headline (which is inside an <a> tag with the class "frontpage-link").
- 5. Returns the headline text (or an empty string if nothing is found).

Main Execution Block

```
if __name__ == "__main__":
```

This ensures that the script only runs when executed directly (not when imported as a module).

Logging Setup



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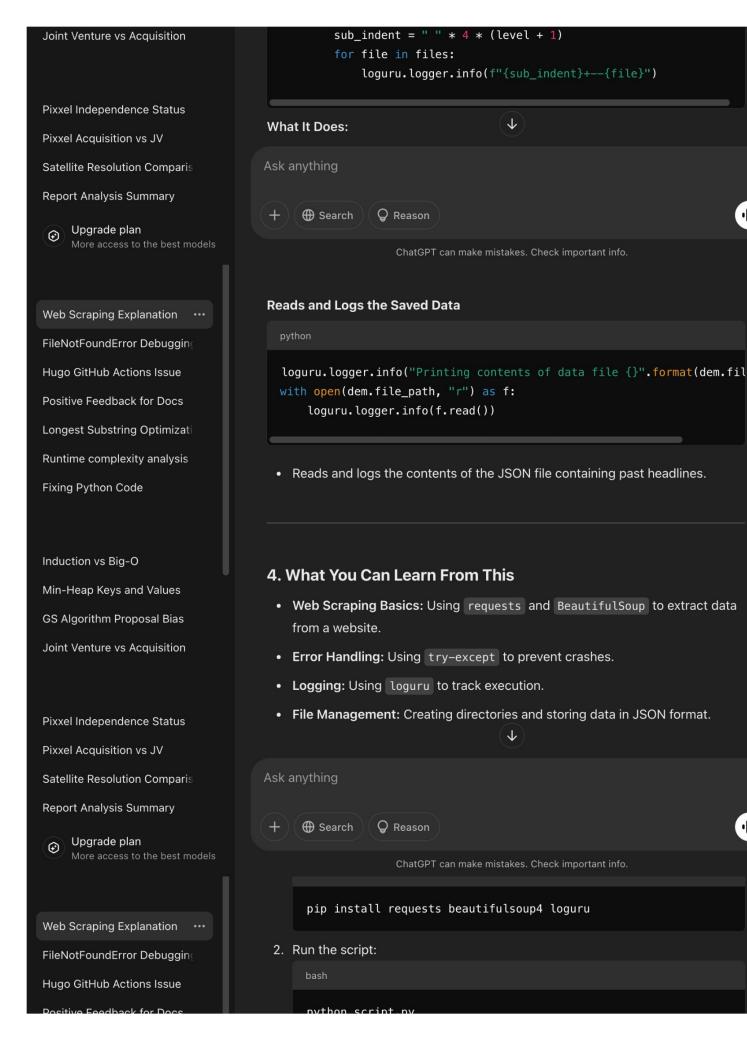
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```
os.makedirs("data", exist_ok=True)
 • Ensures a data/ directory exists to store scraped data.
Loads daily_event_monitor to Track Headlines
  dem = daily_event_monitor.DailyEventMonitor("data/daily_pennsylvanian
 • This module is responsible for storing the scraped headlines in a JSON file.
Runs the Scraper
  try:
       data_point = scrape_data_point()
  except Exception as e:
       loguru.logger.error(f"Failed to scrape data point: {e}")
       data_point = None
 • Calls scrape_data_point(), catchi. errors if scraping fails.
Ask anything
     ⊕ Search ) (
                 Q Reason
                     ChatGPT can make mistakes. Check important info.
      dem.save()
       loguru.logger.info("Saved daily event monitor")
  · Adds the headline to the JSON file and saves it.
Function: print_tree()
  def print_tree(directory, ignore_dirs=[".git", "__pycache__"]):
       loguru.logger.info(f"Printing tree of files/dirs at {directory}")
       for root, dirs, files in os.walk(directory):
```

dirs[:] = [d for d in dirs if d not in ignore_dirs] level = root.replace(directory, "").count(os.sep) indent = " " * 4 * (level) loguru.logger.info(f"{indent}+--{os.path.basename(root)}/")



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6. Next Steps

- Modify the script to extract more data (e.g., article summaries, authors).
- Automate it with a scheduler (e.g., cron on Linux/macOS, Task Scheduler on Windows).
- Store the data in a database instead of a JSON file.

Would you like help setting up your own web scraper? 🖋

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