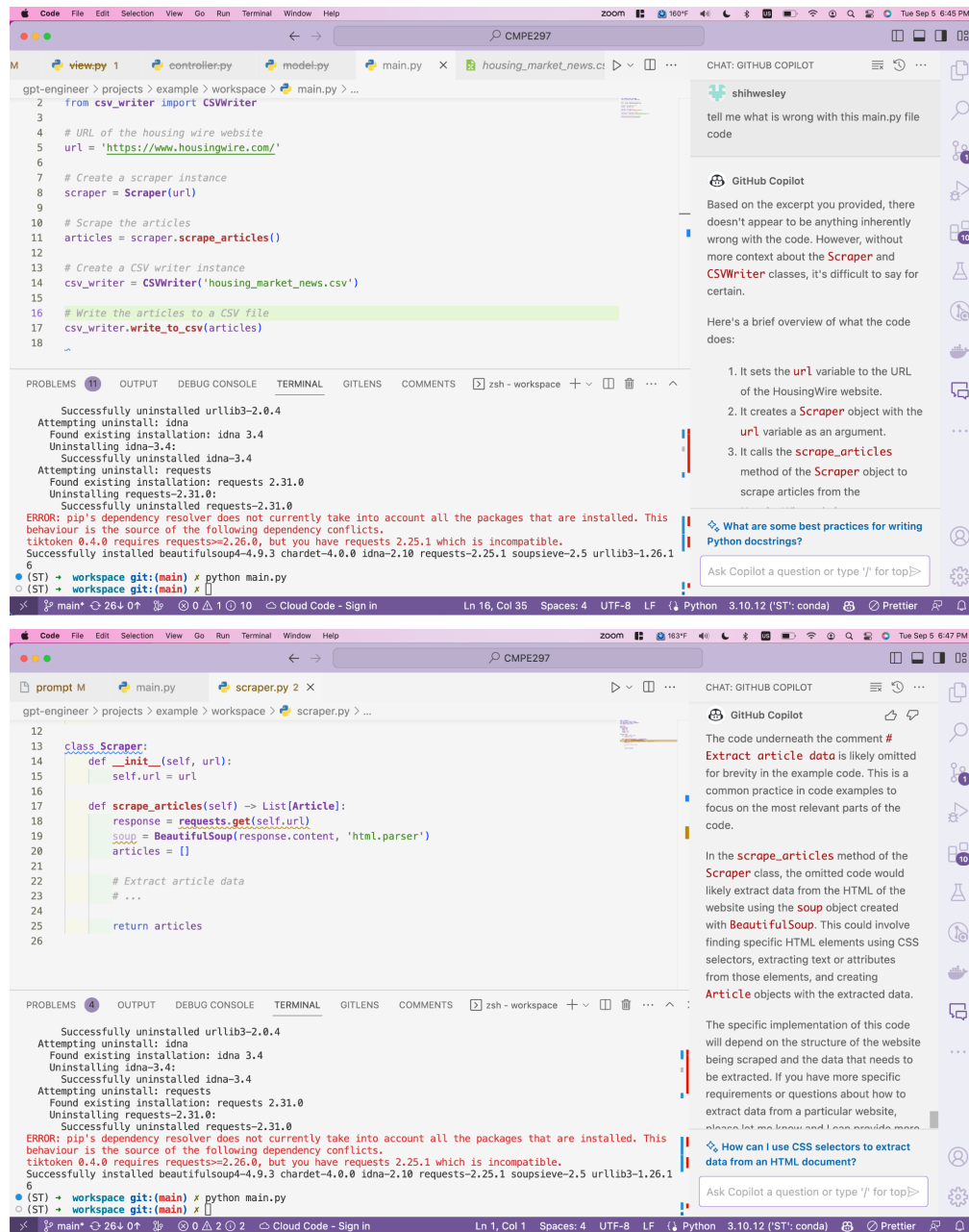


Assignment 1:

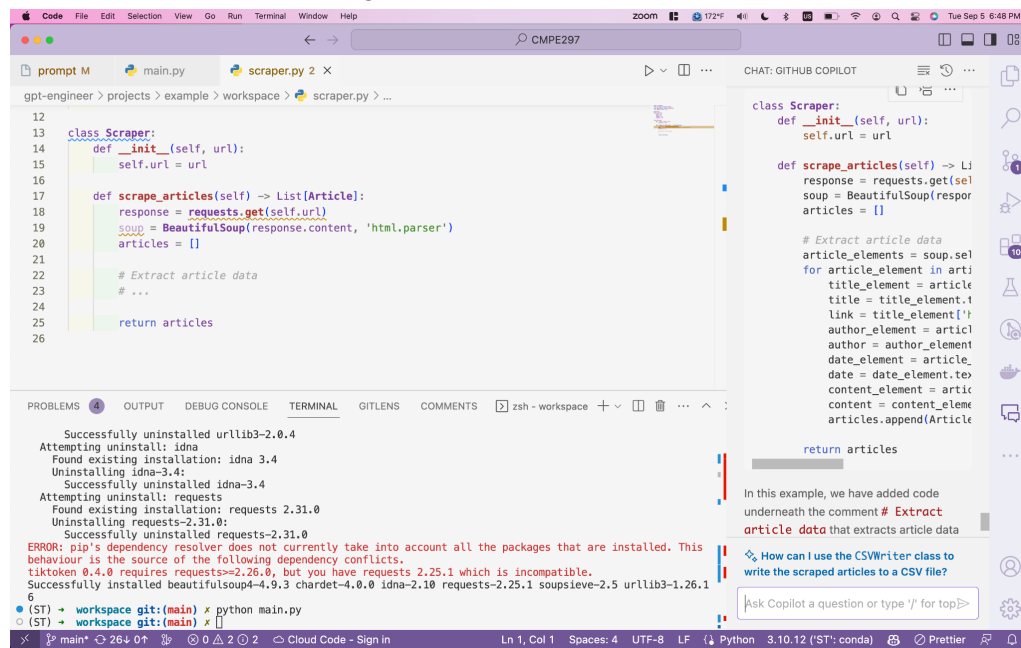
<https://chat.openai.com/share/68943906-b8d5-475d-a9b5-e1b7dabc6531>

Assignment 2:

I installed gpt-engineer and github copilot chat. Here are some screenshots of using gpt-engineer and github copilot chat. For gpt-engineer, this is the prompt I used to ask to generate a web scraper for, “Build a web scraping application that extracts the latest housing market news articles from a news website. Store the extracted data in a CSV file.”



One of the issues that I am running into with this gpt-engineer is that it is only creating empty skeleton boilerplate code and missing out actual code for important functions. So, I use copilot chat to help me fill in those gaps.



The screenshot shows a VS Code editor with a workspace named 'gpt-engineer'. The main editor displays a Python file 'scraper.py' with the following code:

```
12 class Scraper:
13     def __init__(self, url):
14         self.url = url
15
16     def scrape_articles(self) -> List[Article]:
17         response = requests.get(self.url)
18         soup = BeautifulSoup(response.content, 'html.parser')
19         articles = []
20
21         # Extract article data
22         # ...
23
24         return articles
25
26
```

The bottom panel shows the 'PROBLEMS' view with the following error message:

```
Successfully uninstalled urllib3-2.0.4
Attempting uninstall: idna
Found existing installation: idna 3.4
Uninstalling idna-3.4:
Successfully uninstalled idna-3.4
Attempting uninstall: requests
Found existing installation: requests 2.31.0
Uninstalling requests-2.31.0:
Successfully uninstalled requests-2.31.0
ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This
behaviour is the source of the following dependency conflicts.
tiktoken 0.4.0 requires requests>=2.26.0, but you have requests 2.25.1 which is incompatible.
Successfully installed beautifulsoup4-4.9.3 chardet-4.0.0 idna-2.10 requests-2.25.1 soupsieve-2.5 urllib3-1.26.1
6
(ST) -> workspace git:(main) x python main.py
(ST) -> workspace git:(main) x []
```

The right sidebar shows a chat window with GitHub Copilot. The chat history includes the following messages:

- class Scraper:
def __init__(self, url):
self.url = url

def scrape_articles(self) -> List[Article]:
response = requests.get(self.url)
soup = BeautifulSoup(response.content, 'html.parser')
articles = []

Extract article data
article_elements = soup.select('div.article')
for article_element in article_elements:
title_element = article_element.find('h2')
title = title_element.text
link = title_element.find('a')
author_element = article_element.find('p.author')
author = author_element.text
date_element = article_element.find('p.date')
date = date_element.text
content_element = article_element.find('div.content')
content = content_element.text
articles.append(Article(title, link, author, date, content))

return articles
- In this example, we have added code underneath the comment # Extract article data that extracts article data
- How can I use the CSVWriter class to write the scraped articles to a CSV file?

The chat input field contains the text: "ask Copilot a question or type '/' for top>".