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STOCK DATA VISUALIZER

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Division of Work

- Derek
 - Application, Coding,
- Antonia
 - Application, Sprint watch
- James
 - Application, Debug, coding
- Kaden
 - Application, Debug Scrum Master, edit project page

Team Communication

For our team communication we met on Discord before each of our sprints. We discussed our plans for the application as well as the best ways to communicate with each other. For any issues we had while coding we would typically reach out via Discord to ask any questions. This ended up being important because it was our first experience working with different branches in GitHub. There were multiple instances where comments from previous versions were not removed leading to confusion going forward. Luckily this was easily solved from having access to all team members.

Screenshots

```
17 Time_Series = int(input("Enter time series option (1, 2, 3, 4, 5) : "))
18 except ValueError:
19     print("Please choose from options above.\n")
20     continue
21
22 else:
23     if Time_Series == 1:
24         function = "TIME_SERIES_INTRADAY"
25         break
26     elif Time_Series == 2:
27         function = "TIME_SERIES_DAILY"
28         break
29     elif Time_Series == 3:
30         function = "TIME_SERIES_WEEKLY"
31         break
32     elif Time_Series == 4:
33         function = "TIME_SERIES_MONTHLY"
34         break
35     elif Time_Series == 5:
36         print("Thank You for Using Our Program Goodbye!\n")
37         quit()
38
39 timeseries()
40
41 #Collecting a date
42 #user has to input a start date and an end date
43 def date():
44     Selected_Date = None
45     Date_Error_Message = "That date is not formatted correctly. Please try again."
46
47     while Selected_Date == None:
48         userResponse = input("Please enter a date in YYYY-MM-DD format: ")
49         if userResponse.find("-") == -1:
50             print(Date_Error_Message)
51             date()
52         elif userResponse.count("/") != 3:
53             print(Date_Error_Message)
54             date()
55         else:
56             Selected_Date = userResponse
57             return Selected_Date
58
59 date()
60
61 data()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
1 file changed, 16 insertions(+), 3 deletions(-)
PS C:\Users\jyoti\OneDrive - University of Missouri\3063 Spring\4338 Software_Engineering\projects\Project3\Stock Data Visualizer> git push
Enumerating objects: 5, done.
Compressing objects: 100% (5/5), done.
Delta compression using up to 16 threads
Writing objects: 100% (3/3), 500 bytes | 500.00 KiB/s, done.
Total 3 (delta 2), reused 1 (delta 0), sent 800 bytes 8.00 KiB/s.
remote: Resolving deltas: 100% (2/2), completed with 3 local objects.
To https://github.com/jyoti/StockDataVisualizer.git
   c8b9d...> data-chooser -> data-chooser
PS C:\Users\jyoti\OneDrive - University of Missouri\3063 Spring\4338 Software_Engineering\projects\Project3\Stock Data Visualizer>
```

SDV board - Agile board - Jira

edamama1337@lassian.net/jira/software/projects/SDV/boards/2

2023 Spring

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Stock Data Visualizer Software project

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Project: / Stock Data Visualizer

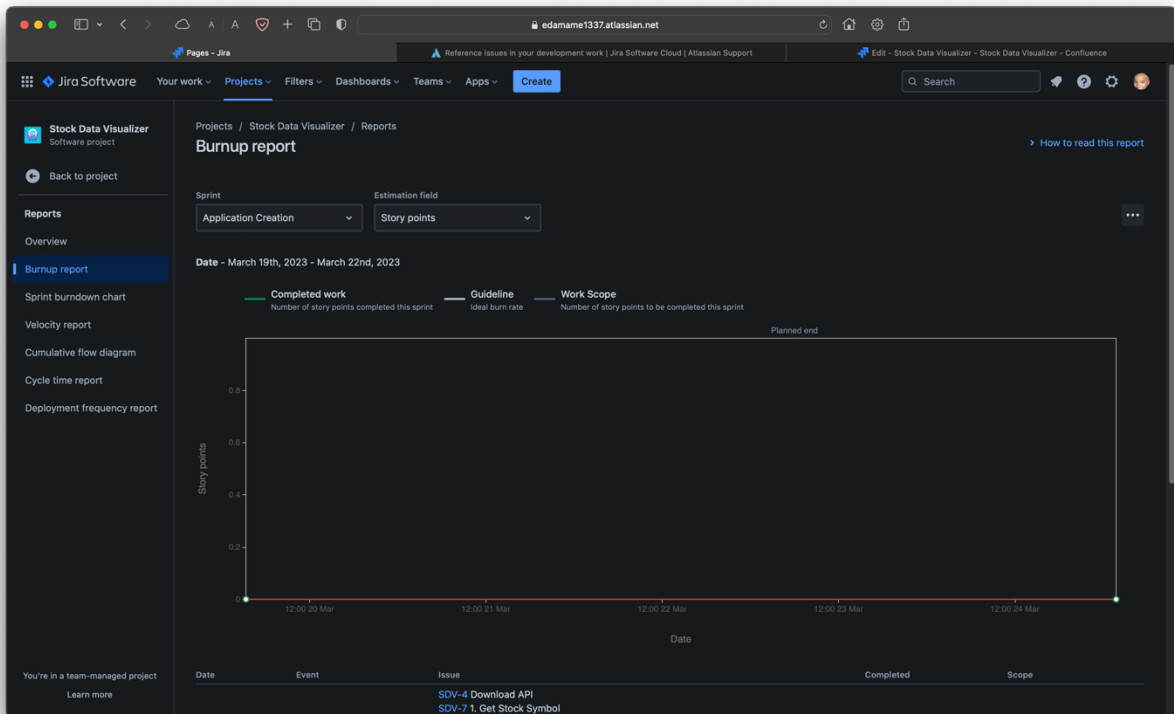
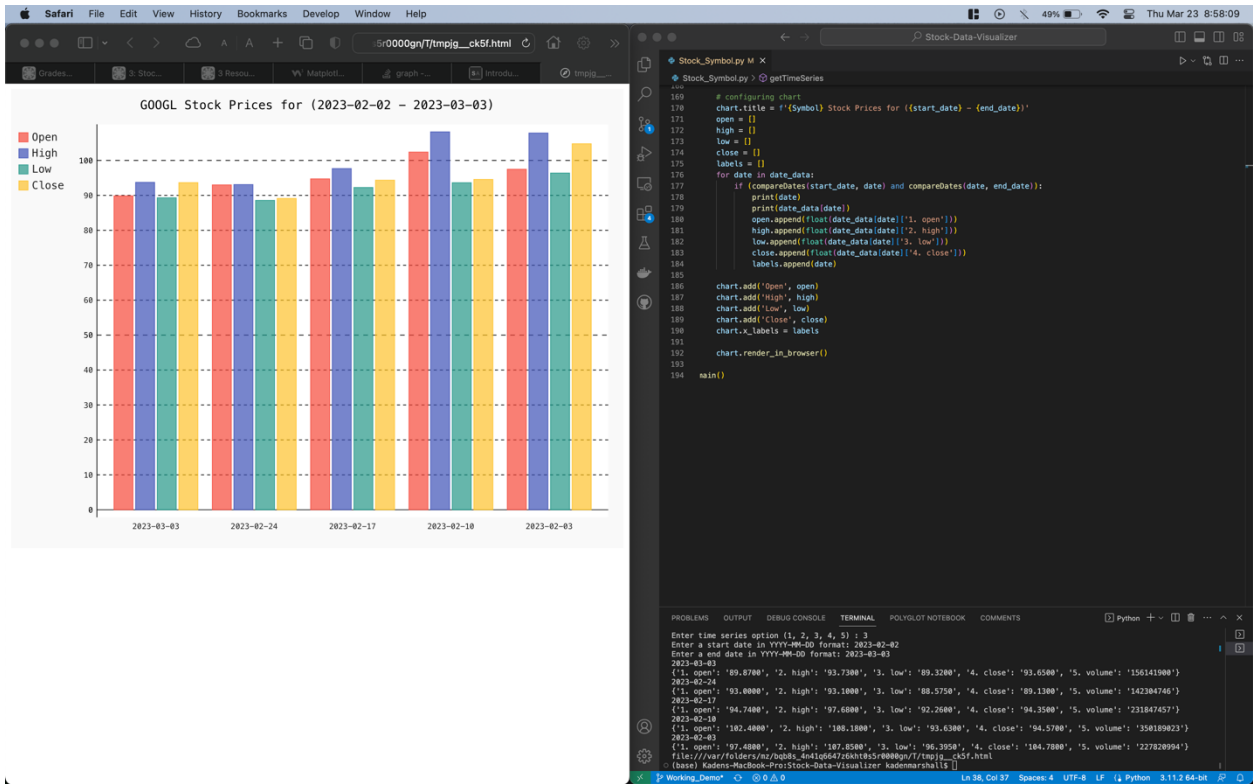
All sprints

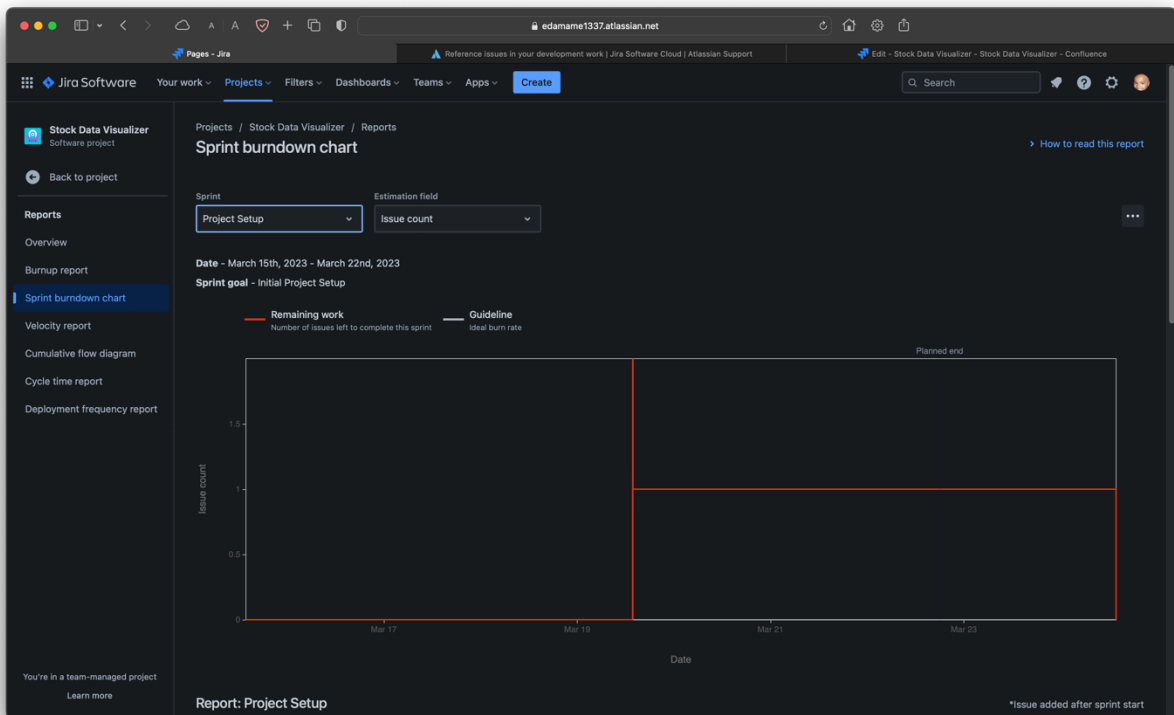
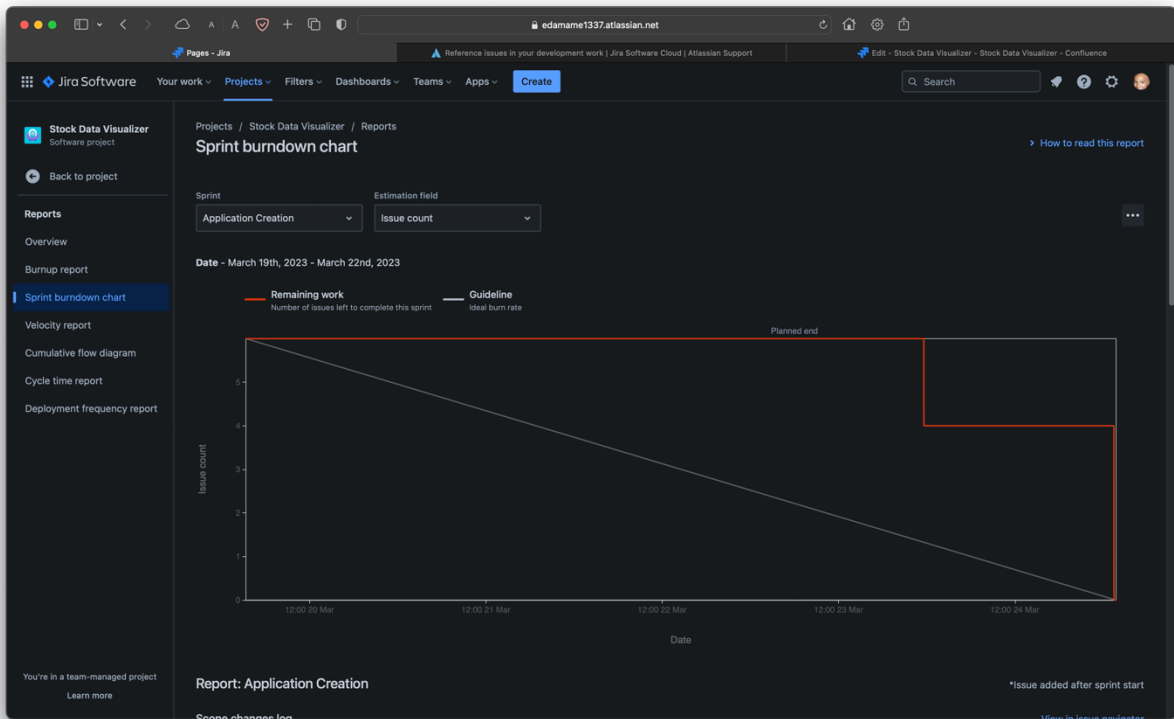
Search

0 days remaining Complete sprint

GROUP BY None Insights

TO DO	IN PROGRESS 7 ISSUES	DONE 2 ISSUES
	<div>Download API CREATING THE APPLICATION SDV-4</div> <div>1. Get Stock Symbol CREATING THE APPLICATION SDV-7</div> <div>2. Get Chart Type CREATING THE APPLICATION SDV-8</div> <div>3. Get Time Series CREATING THE APPLICATION SDV-9</div> <div>5. Get End Date CREATING THE APPLICATION SDV-10</div> <div>6. Generate Graph CREATING THE APPLICATION SDV-11</div> <div>Create Project Document SETUP THE PROJECT SDV-6</div>	<div>Initial Meeting SETUP THE PROJECT SDV-5</div> <div>Create Ara Board SETUP THE PROJECT SDV-2</div>





Lessons Learned

GitHub and branches are very helpful because we're working on the same exact files. We need to work on getting started earlier still, but we are able to get things done quite well. Maybe it would be beneficial to try live coding while working on our projects. That way there is more cohesion with what is done. Setting up proper sprints is more important than we thought. It allowed us to have our own deadline which helped us get this finished quickly. I think for the next project we should be able to start earlier and finish earlier from the experience we have gained from this project.