

NNguyen - Assignment 5

GitHub Repository

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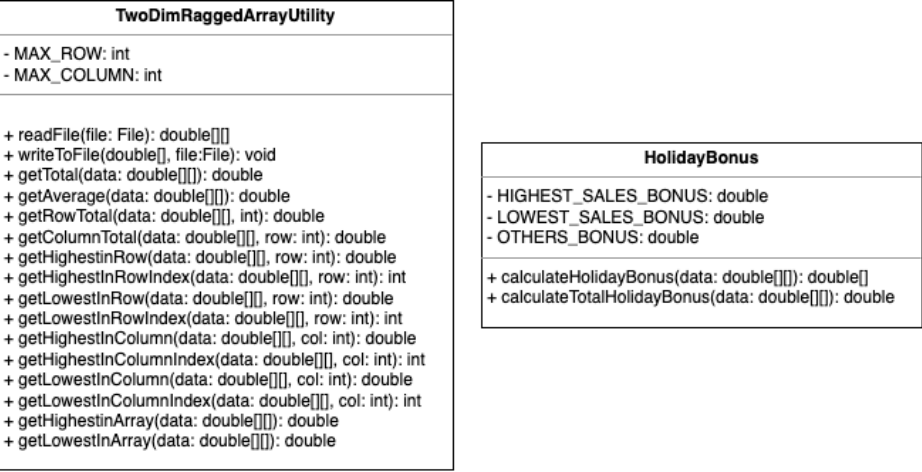
nick-nugat

cmssc203 - assignment 5 completion!

c687266 · 2 minutes ago **History**

Name	Last commit message	Last commit date
..		
HolidayBonus.java	cmssc203 - assignment 5 completion!	2 minutes ago
HolidayBonusGFATest.java	cmssc203 - assignment 5 completion!	2 minutes ago
HolidayBonusGui.java	cmssc203 - assignment 5 completion!	2 minutes ago
HolidayBonusTestStudent.java	cmssc203 - assignment 5 completion!	2 minutes ago
TwoDimRaggedArrayUtility.java	cmssc203 - assignment 5 completion!	2 minutes ago
TwoDimRaggedArrayUtilityGFATest.java	cmssc203 - assignment 5 completion!	2 minutes ago
TwoDimRaggedArrayUtilityTestStudent.java	cmssc203 - assignment 5 completion!	2 minutes ago

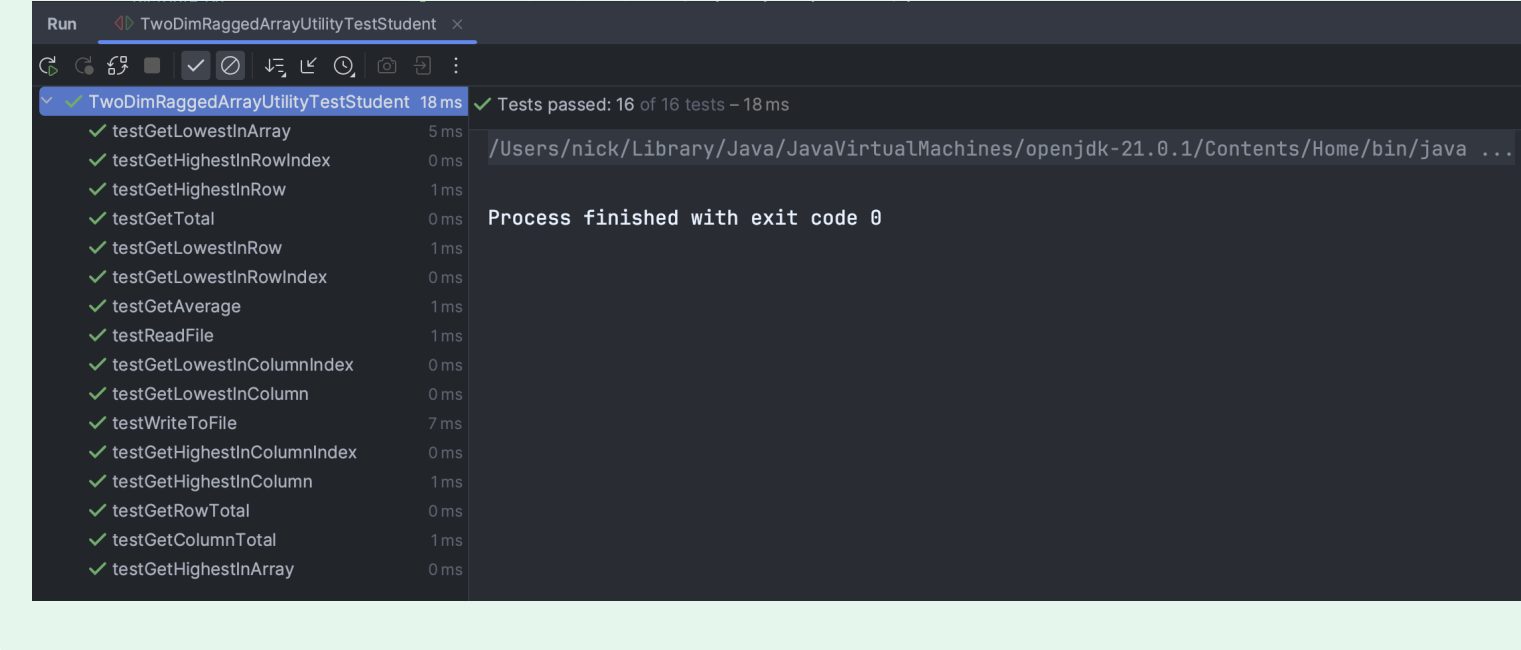
UML Diagram



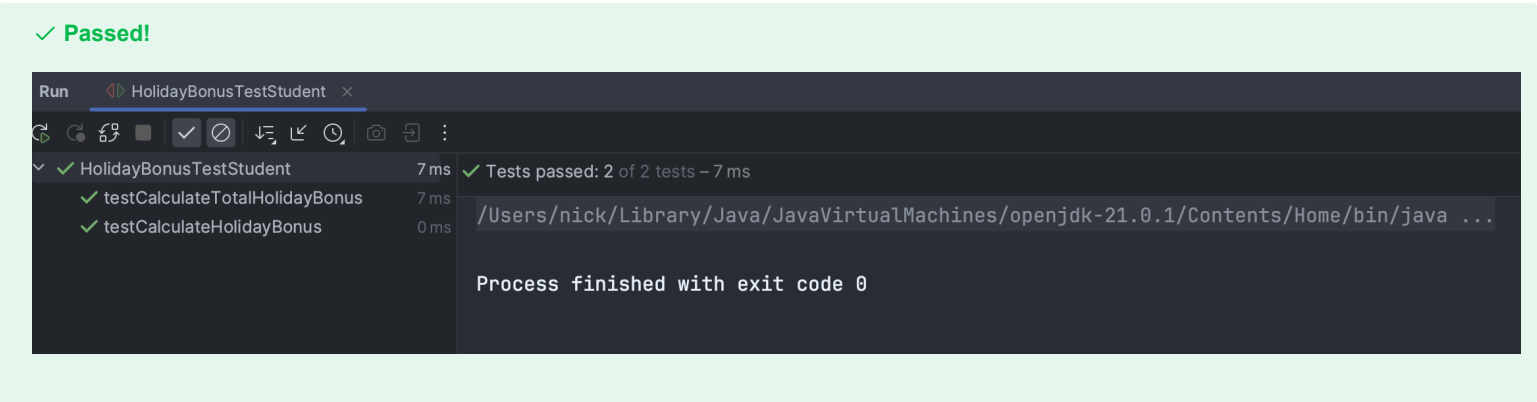
JUnit Test Cases

TwoDimRaggedArrayUtilityTestStudent

Passed



HolidayBonusTestStudent



GUI

Program starts



dataSet1.txt

File:

☰ dataSet1.txt ✕

1	1	2	3
2	4	5	
3	6	7	8

Results after loading sales

District Sales Report

Disney World Retail District 5 Sales Report

	Books	Tsum Tsum	Trading Pins	Star Wars	Lego	Marvel	Total	Holiday Bonus
Emporium	\$1.00	\$2.00	\$3.00				\$6.00	\$3,000.00
World Traveler	\$4.00	\$5.00					\$9.00	\$4,000.00
Discovery Trading ...	\$6.00	\$7.00	\$8.00				\$21.00	\$15,000.00
Merchant of Venus								
Once Upon a Toy								
Tatooine Traders								
Total	\$11.00	\$14.00	\$11.00				\$36.00	\$22,000.00

Highest Sales in Categ...
Lowest Sales in Categ...

Load Sales DataCopy FileExit

dataSet2.txt

File:

☰ dataSet2.txt ✕

1	7	2	9	4
2	5			
3	8	1	3	
4	11	6	7	2

Results after loading sales

District Sales Report

Disney World Retail District 5 Sales Report

	Books	Tsum Tsum	Trading Pins	Star Wars	Lego	Marvel	Total	Holiday Bonus
Emporium	\$7.00	\$2.00	\$3.00	\$4.00			\$22.00	\$14,000.00
World Traveler	\$5.00						\$5.00	\$1,000.00
Discovery Trading ...	\$8.00	\$1.00	\$3.00				\$12.00	\$4,000.00
Merchant of Venus	\$11.00	\$5.00	\$7.00	\$2.00			\$26.00	\$13,000.00
Once Upon a Toy								
Tatooine Traders								
Total	\$31.00	\$9.00	\$19.00	\$6.00			\$65.00	\$32,000.00

Highest Sales in Categ...Lowest Sales in Categ...

Load Sales Data

Copy File

Exit

dataSet3.txt

File:

dataSet3.txt

1	7.2	2.5	9.3	4.8
2	5.9			
3	8.1	1.7	3.3	
4	11.6	6.9	7.3	2.7

Results after loading sales

District Sales Report

Disney World Retail District 5 Sales Report

	Books	Tsum Tsum	Trading Pins	Star Wars	Lego	Marvel	Total	Holiday Bonus
Emporium	\$7.20	\$2.50	\$3.30	\$4.80			\$23.80	\$14,000.00
World Traveler	\$5.90						\$5.90	\$1,000.00
Discovery Trading ...	\$8.10	\$1.70	\$3.30				\$13.10	\$4,000.00
Merchant of Venus	\$11.80	\$6.90	\$7.30	\$2.70			\$28.50	\$13,000.00
Once Upon a Toy								
Tatooine Traders								
Total	\$32.80	\$11.10	\$19.90	\$7.50			\$71.30	\$32,000.00

■ Highest Sales in Categ...
■ Lowest Sales in Categ...

Load Sales Data Copy File Exit

dataSet4.txt

File:

dataSet4.txt

1	-2.5	-5.3	6.1
2	-4.4	8.2	
3	2.3	-7.5	
4	-4.2	7.3	-5.9 2.6

Results after loading sales

District Sales Report								
Disney World Retail District 5 Sales Report								
	Books	Tsum Tsum	Trading Pins	Star Wars	Lego	Marvel	Total	Holiday Bonus
Emporium	-\$2.50	-\$5.30	\$6.10				-\$1.70	\$5,000.00
World Traveler	-\$4.40	\$8.20					\$3.80	\$5,000.00
Discovery Trading ...	\$2.30	-\$7.50					-\$5.20	\$5,000.00
Merchant of Venus	-\$4.20	\$7.30	-\$5.90	\$2.60			-\$0.20	\$7,000.00
Once Upon a Toy								
Tatooine Traders								
Total	-\$8.80	\$2.70	\$0.20	\$2.60			-\$3.30	\$22,000.00

■ Highest Sales in Categ...
■ Lowest Sales in Categ...

[Load Sales Data](#)
[Copy File](#)
[Exit](#)

district3.txt

File:

district3.txt ×						
1	1.65	4.50	2.36	7.45	3.44	6.23
2	2.22	-3.24	-1.66	-5.48	3.46	
3	4.23	2.29	5.29			
4	2.76	3.76	4.29	5.48	3.43	
5	3.38	3.65	3.76			
6	2.46	3.34	2.38	8.26	5.34	

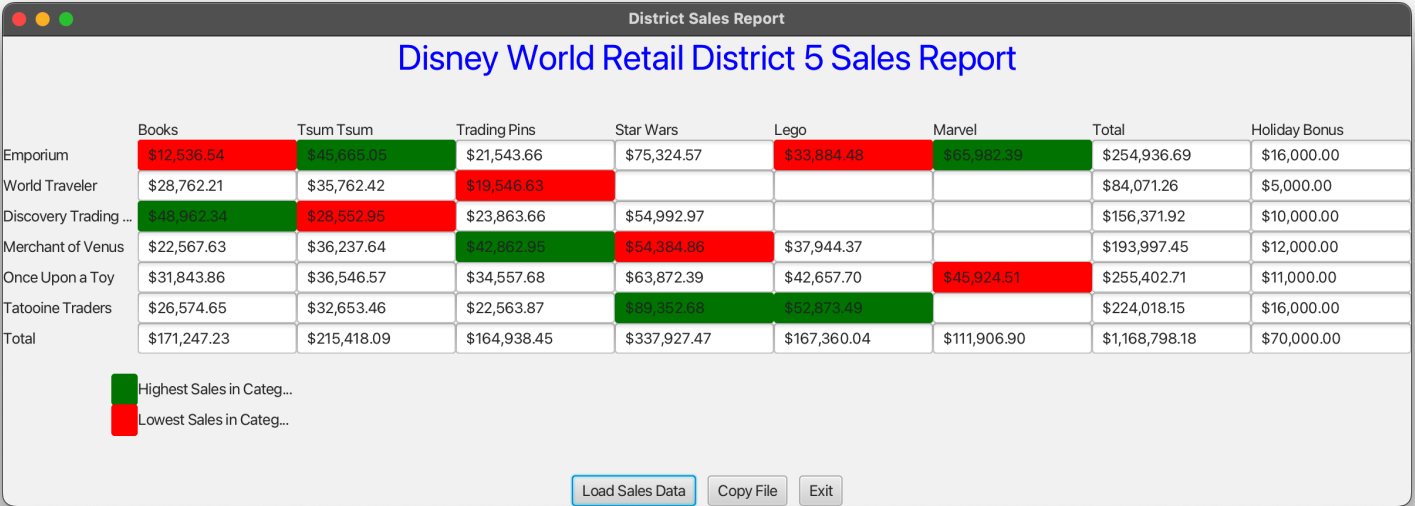
Results after loading sales

district5.txt

File:

```
district5.txt x
1 12536.54 45665.05 21543.66 75324.57 33884.48 65982.39
2 28762.21 35762.42 19546.63
3 48962.34 28552.95 23863.66 54992.97
4 22567.63 36237.64 42862.95 54384.86 37944.37
5 31843.86 36546.57 34557.68 63872.39 42657.70 45924.51
6 26574.65 32653.46 22563.87 89352.68 52873.49
```

Results after loading sales



Two additional input files

studentDataset1.txt

File:

1	67.89	54.32	0.11					
2	142.99	-5.27	88.88	21.34	99.99			
3	43.21	32.1	9.87	-5.27				
4	76.54	-2.22	11.11	22.22				
5								

Results after loading sales

District Sales Report

Disney World Retail District 5 Sales Report

	Books	Tsum Tsum	Trading Pins	Star Wars	Lego	Marvel	Total	Holiday Bonus
Emporium	\$67.89	\$54.32	\$0.11				\$122.32	\$8,000.00
World Traveler	\$142.99	-\$5.27	\$88.88	\$21.34	\$99.99		\$347.93	\$17,000.00
Discovery Trading ...	\$43.21	\$32.10	\$9.87	-\$5.27			\$79.91	\$5,000.00
Merchant of Venus	\$76.54	-\$2.22	\$11.11	\$22.22			\$107.65	\$9,000.00
Once Upon a Toy								
Tatooine Traders								
Total	\$330.63	\$78.93	\$109.97	\$38.29	\$99.99		\$657.81	\$39,000.00

Highest Sales in Categ...
Lowest Sales in Categ...

Load Sales Data

Copy File

Exit

studentDataset2.txt

File:



studentDataset2.txt ✕

```
1 86.0 69.0 24.0 27.99
2 8.99 52.7 5.0 9.23 27.2
3 41.0 10.52
4 9.62 2.0 67.0 1.52 8.56
```

Results after loading sales

District Sales Report								
Disney World Retail District 5 Sales Report								
	Books	Tsum Tsum	Trading Pins	Star Wars	Lego	Marvel	Total	Holiday Bonus
Emporium	\$26.00	\$59.00	\$24.00	\$27.99			\$206.99	\$17,000.00
World Traveler	\$8.99	\$52.70	\$5.00	\$9.23	\$27.20		\$103.12	\$11,000.00
Discovery Trading ...	\$41.00	\$10.52					\$51.52	\$4,000.00
Merchant of Venus	\$9.62	\$2.00	\$67.00	\$1.52	\$8.56		\$88.70	\$10,000.00
Once Upon a Toy							\$25,540.24	\$14,000.00
Tatooine Traders							\$29,000.01	\$21,000.00
Total	\$145.61	\$134.22	\$96.00	\$38.74	\$35.76		\$450.33	\$42,000.00

Highest Sales in Categ...

Lowest Sales in Categ...

Load Sales DataCopy FileExit

Questions to answer

🔗 Write about your Learning Experience, highlighting your lessons learned and learning experience from working on this project.

This project was honestly pretty frustrating, but I did learn quite a bit about 2D arrays. Data structures is a course that will likely be difficult, so I'm glad I'm getting some a little practice with them right now.

🔗 What have you learned?

I learned how to better manipulate arrays and how to write more efficient and concise code.

🔗 What did you struggle with?

I struggled especially with the `readFile()` and `writeFile()` methods. This was mainly because the method signatures on the Javadoc returned a `FileNotFoundException`. I wasn't too sure how strict my professor was on changing the method signature, so I decided to keep it. Otherwise, I would've changed those method signatures to throw an `IOException` instead since I used a `BufferedReader` and `BufferedWriter`.

🔗 What would you do differently on your next project?

Nothing, really. I'm glad I started this project early and got it over with. It was pretty educational and had some fun parts.

🕒 **What parts of this assignment were you successful with, and what parts (if any) were you not successful with?**

I think I was successful for the most part with this assignment; I passed all my tests and overall learned a good amount about 2D ragged arrays.

🕒 **Provide any additional resources/links/videos you used to while working on this assignment/project.**

N/A