Development Process

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CS 103 Integrated Studio 1 - Practical

26/05/2022

Task 5
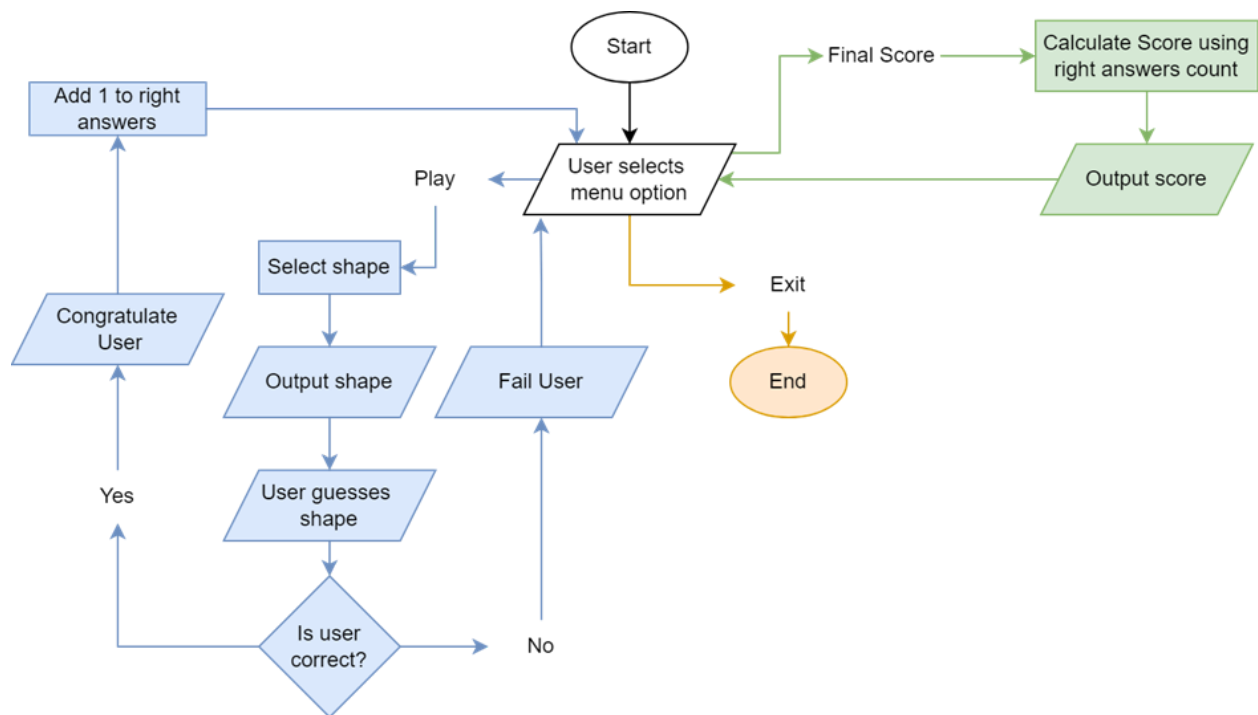
Flowchart

Fig. 1

Flowchart of the fifth task, a children's shape guessing game

Testing

Test	Screenshot	Analysis (If needed)
Select play option in main menu		N/A

Select final score option in main menu		N/A

```
Main Menu
1. Play
2. Final Score
3. Exit
2

Final Score: 10
Main Menu
1. Play
2. Final Score
3. Exit
```

Select exit option in main menu		N/A

```
Main Menu
1. Play
2. Final Score
3. Exit
3

C:\Users\270168415\OneDrive - UP Education\Documents\13DTCWor
cess 7412) exited with code 0.
To automatically close the console when debugging stops, enab
le when debugging stops.
Press any key to close this window . . .
```

Input invalid main menu option		N/A

```
Main Menu
1. Play
2. Final Score
3. Exit
4

Unknown option.
Main Menu
1. Play
2. Final Score
3. Exit
```

Answer question correctly		N/A

```
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|       |
|       |
|       |
|       |
---------

Which shape is this?
a. Rectangle
b. Triangle
c. Square
d. None of the above
c

Correct! +10 Points
Main Menu
1. Play
2. Final Score
3. Exit
```

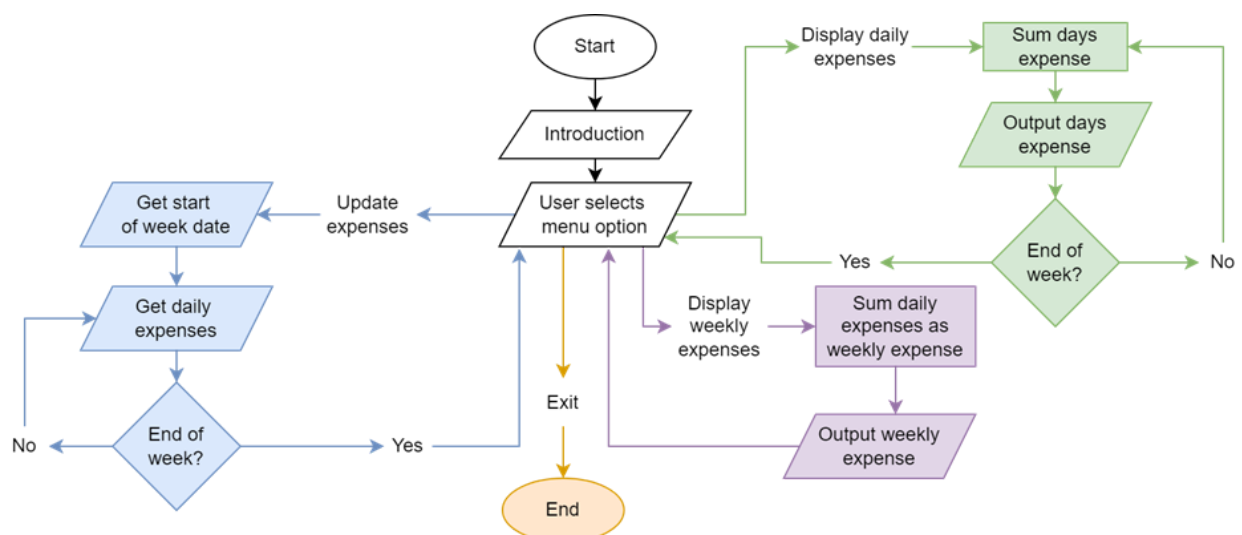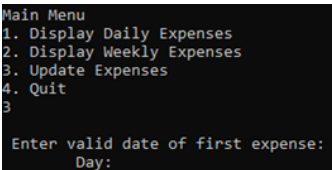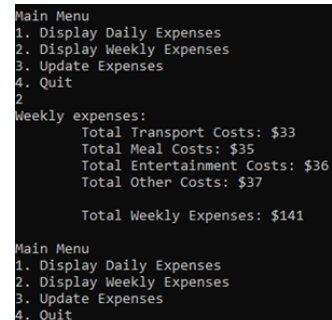|			
Answer question incorrectly			N/A
Input invalid question answer			Doesn't create any errors but mentioning that the input was invalid instead of just "Wrong answer" would provide better user feedback. The improved version is to the right.

Task 6

Flowchart

Fig. 2

Flowchart of the sixth task, a daily & weekly accounting program

Testing

Test	Screenshot	Analysis (If needed)
| Select display daily expenses option in main menu | ```
Main Menu
1. Display Daily Expenses
2. Display Weekly Expenses
3. Update Expenses
4. Quit
1
Daily expenses over 7 days:

Day No.1 - 1/1/2022
        Transport Costs: 15.9
        Meal Costs: 45
        Entertainment Costs: 0
        Other Costs: 0
        Total Daily Expenses: $60.9

Day No.2 - 2/1/2022
        Transport Costs: 16
        Meal Costs: 60.5
        Entertainment Costs: 0
        Other Costs: 2.5
        Total Daily Expenses: $79

Day No.3 - 3/1/2022
        Transport Costs: 14.54
        Meal Costs: 43.2
        Entertainment Costs: 12.5
        Other Costs: 0
        Total Daily Expenses: $70.24

Day No.4 - 4/1/2022
        Transport Costs: 19.32
        Meal Costs: 76
        Entertainment Costs: 0
        Other Costs: 0
        Total Daily Expenses: $95.32

Day No.5 - 5/1/2022
        Transport Costs: 12.1
        Meal Costs: 32.2
        Entertainment Costs: 0
        Other Costs: 4.75
        Total Daily Expenses: $49.05

Day No.6 - 6/1/2022
        Transport Costs: 0
        Meal Costs: 47.8
        Entertainment Costs: 25
        Other Costs: 0
        Total Daily Expenses: $72.8

Day No.7 - 7/1/2022
        Transport Costs: 0
        Meal Costs: 102.5
        Entertainment Costs: 74.5
        Other Costs: 3
        Total Daily Expenses: $180

Main Menu
1. Display Daily Expenses
2. Display Weekly Expenses
3. Update Expenses
4. Quit
``` | N/A |
| Select update expenses option in main menu | ```
Main Menu
1. Display Daily Expenses
2. Display Weekly Expenses
3. Update Expenses
4. Quit
3

Enter valid date of first expense:
        Day:
``` | N/A |
| Select weekly expenses option in main menu, after updating them. | ```
Main Menu
1. Display Daily Expenses
2. Display Weekly Expenses
3. Update Expenses
4. Quit
2
Weekly expenses:
        Total Transport Costs: $33
        Total Meal Costs: $35
        Total Entertainment Costs: $36
        Total Other Costs: $37

        Total Weekly Expenses: $141

Main Menu
1. Display Daily Expenses
2. Display Weekly Expenses
3. Update Expenses
4. Quit
``` | N/A |

Select quit option in main menu	Main Menu 1. Display Daily Expenses 2. Display Weekly Expenses 3. Update Expenses 4. Quit 4 C:\Users\270168415\OneDrive - UP Education\Documents\13DTCWork\Jayder To automatically close the console when debugging stops, enable Tools Press any key to close this window . . .	N/A

Enter invalid first expense date when updating expenses	Enter valid date of first expense:
	        Day: 34
	        Month: 2
	        Year: -32
	
	Enter valid date of first expense:
	        Day:
		N/A

Enter valid first expense date when updating expenses	Enter valid date of first expense:
	        Day: 27
	        Month: 2
	        Year: 2024
	--------------- 	
	
	Enter transport cost for day 1:
		N/A

Enter correct data into all data fields for updating expenses	Enter transport cost for day 1: 1 Enter meal cost for day 1: 2 Enter entertainment cost for day 1: 3 Enter other costs for day 1: 4 Enter transport cost for day 2: 5 Enter meal cost for day 2: 6 Enter entertainment cost for day 2: 7 Enter other costs for day 2: 8 Enter transport cost for day 3: 9 Enter meal cost for day 3: 8 Enter entertainment cost for day 3: 7 Enter other costs for day 3: 6 Enter transport cost for day 4: 5 Enter meal cost for day 4: 4 Enter entertainment cost for day 4: 3 Enter other costs for day 4: 2 Enter transport cost for day 5: 1 Enter meal cost for day 5: 1 Enter entertainment cost for day 5: 2 Enter other costs for day 5: 3 Enter transport cost for day 6: 4 Enter meal cost for day 6: 5 Enter entertainment cost for day 6: 6 Enter other costs for day 6: 7 Enter transport cost for day 7: 8 Enter meal cost for day 7: 9 Enter entertainment cost for day 7: 8 Enter other costs for day 7: 7 Main Menu 1. Display Daily Expenses 2. Display Weekly Expenses 3. Update Expenses 4. Quit	N/A