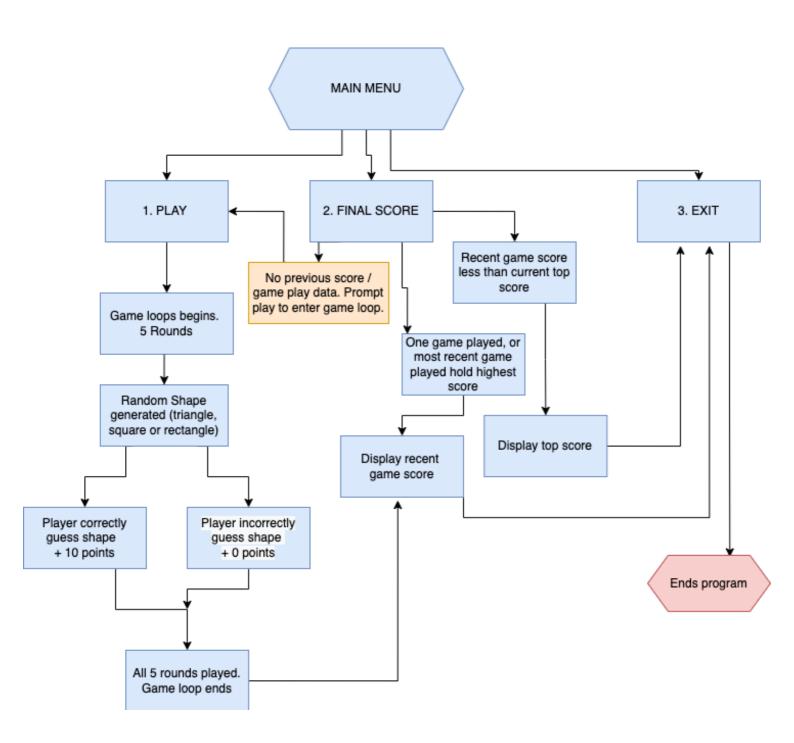
CS103 INTEGRATED STUDIO I ASSESSMENT 1

Q5 | Q6 Flow charts & Application Testing **Emma Corkery**

Shape Game -Flowchart



Shape Game - Application Testing

```
Welcome to guess the shape!
--== MAIN MENU ==--
1. Play
2. Final Score
3. Exit
Please select from the above options
Please enter a valid option.
--== MAIN MENU ==--
1. Play
2. Final Score
3. Exit
Please select from the above options
```

Logic to catch any selections outside of the main menu options and loops back to main menu.

Shape Game - Application Testing

```
Welcome to guess the shape!

--== MAIN MENU ==--

1. Play
2. Final Score
3. Exit
Please select from the above options
1
What shape is this?

* * *
* * *
* * *
* * *
Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
```

Shapes are generated randomly and iterate through a triangle, square and rectangles of varying sizes. The user gains 10 points for every correct answer, with the total score being displayed at the end of the 5 rounds.

```
* * * *

* * * *

Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
t
Wrong!
What shape is this?

*

* * *

Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
```

```
Correct!
What shape is this?
 * * *
Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
Correct!
What shape is this?
Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
Correct!
What shape is this?
 * * *
 * * *
Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
Correct!
You got 40 points!
```

Shape Game - Application Testing

```
* * * *
 * * * *
                                                       Wrong!
Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
Wrong!
What shape is this?
                                                        1. Play
                                                        2. Final Score
 * * *
 * * *
                                                       3. Exit
Enter t, for triangle
Enter s, for square
Enter r, for rectangle
Enter n, for none of the above
Incorrect or invalid selection.
You got 10 points!
```

```
n
Incorrect or invalid selection.
Wrong!
You got 10 points!

--== MAIN MENU ==--
1. Play
2. Final Score
3. Exit
Please select from the above options
2
Your top score was: 40
```

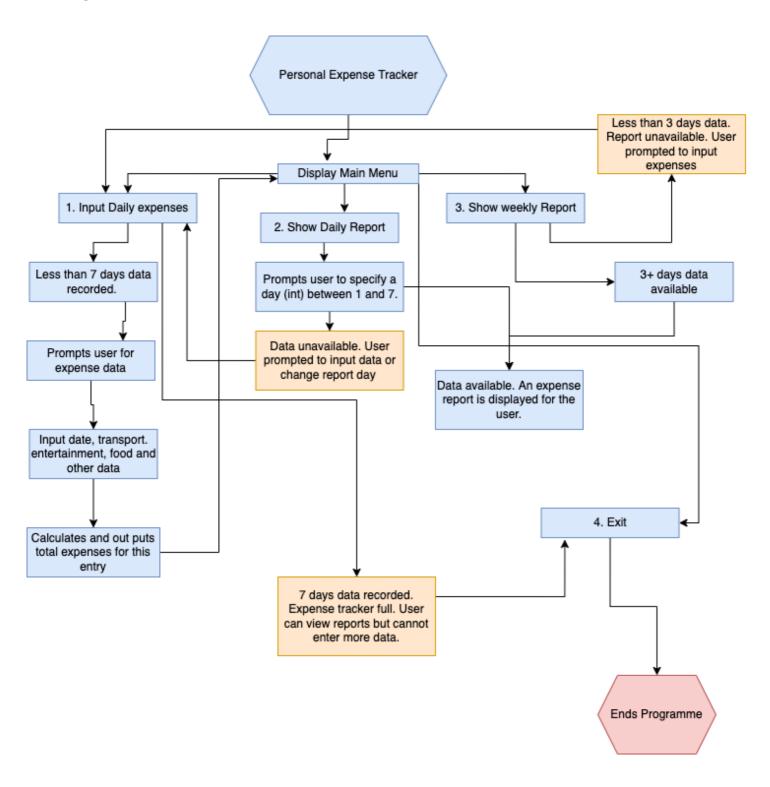
A second game is played, with a lower resultant score. When Final Score is selected it displays the highest score of the games played in this session.

```
--== MAIN MENU ==--

1. Play
2. Final Score
3. Exit
Please select from the above options
3
Bye!
```

Exits program.

Expense Tracker -Flowchart



--== MAIN MENU ==--

2. Show daily report.

Your total expenses for 15/5/22 are:

65.85

Input my daily expenses.

Expense Tracker - Application Testing

```
Show weekly report.
 4. Exit.
 -== MAIN MENU ==-
Welcome to your Personal Expense Tracking System.
Please select from the menu options below:

    Input my daily expenses.
    Show daily report.
    Show weekly report.

4. Exit.
What date were these expenses incurred? Please enter as DD MM YY:
15 05 22
Enter your expenses when prompted, enter 0 if none were incurred
Please enter transport costs:
43.20
Please enter entertainment costs:
11.50
Please enter food costs:
8.90
Please enter any other costs:
```

Welcome to your Personal Expense Tracking System.

Please select from the menu options below:

Selection 1 prompts
user to input daily
expense data and
outputs a daily total.
The program will store
up to 7 'days' of
expense data inputs.

```
--== MAIN MENU ==--
Welcome to your Personal Expense Tracking System.
Please select from the menu options below:

1. Input my daily expenses.
2. Show daily report.
3. Show weekly report.
4. Exit.
1
What date were these expenses incurred? Please enter as DD MM YY:
17 05 22
Enter your expenses when prompted, enter 0 if none were incurred

Please enter transport costs:
17.83
Please enter entertainment costs:
42.65
Please enter food costs:
18.95
Please enter any other costs:
4.60
Your total expenses for 17/5/22 are:
84.03
```

Expense Tracker - Application Testing

```
--== MAIN MENU ==--
Welcome to your Personal Expense Tracking System.
Please select from the menu options below:

1. Input my daily expenses.
2. Show daily report.
3. Show weekly report.
4. Exit.
1
What date were these expenses incurred? Please enter as DD MM YY:
18 05 22
Enter your expenses when prompted, enter 0 if none were incurred
Please enter transport costs:
```

Data is stored consecutively (eg. first input = first day of the expense week). User can recall a daily report by entering a number between 1-7

Please enter transport costs: 15.62 Please enter entertainment costs: 22.98 Please enter food costs: 12.30 Please enter any other costs: 3.60 Your total expenses for 18/5/22 are: 54.5

```
== MAIN MENU ==-
Welcome to your Personal Expense Tracking System.
Please select from the menu options below:

    Input my daily expenses.
    Show daily report.

3. Show weekly report.
4. Exit.
2
Which day would you like to view the expense report for, 1 - 7 : 1
EXPENSE REPORT for 18/5/22
                $15.62
Transport:
Entertainment: $22.98
                $12.3
Food:
Other:
                $3.6
                $54.5
Total:
```

User requests report for a day, outside of 1-7 range.

```
    Show daily report.
    Show weekly report.
    Exit.
    Which day would you like to view the expense report for, 1 - 7:8
    There is no expense record for this day. Please provide data or a valid selection.
```

User requests report for a day with no expense data (within 1-7) range

```
4. Exit.2Which day would you like to view the expense report for, 1 - 7:5There is no expense record for this day. Please provide data or a valid selection.
```

Expense Tracker - Application Testing

== MAIN MENU ==--Welcome to your Personal Expense Tracking System. Please select from the menu options below: 1. Input my daily expenses. 2. Show daily report. 3. Show weekly report. 4. Exit. -- WEEKLY REPORT -EXPENSE REPORT for 0/0/0 \$61.03 Transport: Entertainment: \$57.6 Food: \$80.45 Other: \$18.78 Total: \$217.86 ---- WEEKLY REPORT

If 3+ days of expense data have been added. The user can generate a weekly report. Including subtotals for each allocated expense.

Report will be unavailable if less than 3 days of data have been added.

== MAIN MENU ==-

Welcome to your Personal Expense Tracking System. Please select from the menu options below:

- Input my daily expenses.
 Show daily report.
- 3. Show weekly report.
- 4. Exit.

Weekly report unavailable. You have entered less than 3 days of expenses. Please add more to access this function.

--== MAIN MENU ==--

Welcome to your Personal Expense Tracking System. Please select from the menu options below:

- Input my daily expenses.
- 2. Show daily report.
- 3. Show weekly report.
- 4. Exit.

Goodbye!

User chooses to exit program.