



INFORMATICS INSTITUTE OF TECHNOLOGY

In Collaboration with

UNIVERSITY OF WESTMINSTER

BEng. (Hons) Software Engineering

MODULE: (2024) 4COSC006C.1 Software Development I

Course Work Report

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Test Cases and Machine Testing Results

1. Test Cases

	Test Cases	Inputs	Expected Outputs	Actual Outputs	Status
TestCase-1	Entering day Value	Entering "P" to day value	Display Integer required	Display Integer required	Pass
	Entering day Value	Entering "32" to day value	Display Out of range - values must be in the range 1 and 31	Display Out of range - values must be in the range 1 and 31	Pass
	Entering day Value	Entering empty value	Display Input cannot be empty. Please enter a day.	Display Input cannot be empty. Please enter a day	Pass
	Entering day Value	Entering "13" to day value	Display Please enter the day of the survey in the format MM:	Display Please enter the day of the survey in the format MM:	Pass
TestCase-2	Entering Month Value	Entering "March" to month value	Display Integer required	Display Integer required	Pass
	Entering Month Value	Entering "13" to month value	Display Out of range - values must be in the range 1 and 12	Display Out of range - values must be in the range 1 and 12	Pass
	Entering Month Value	Entering empty value	Display Input cannot be empty. Please enter a month.	Display Input cannot be empty. Please enter a month	Pass

TestCase-2	Entering Month Value	Entering "06" to month value	Display Please enter the day of the survey in the format YYYY:	Display Please enter the day of the survey in the format YYYY:	Pass
TestCase-3	Entering year Value	Entering "March" to year value	Display Integer required	Display Integer required	Pass
	Entering year Value	Entering "1997" to year value	Display Out of range - values must be in the range 2000 and 2024	Display Out of range - values must be in the range 2000 and 2024	Pass
	Entering year Value	Entering empty value	Display Input cannot be empty. Please enter a year.	Display Input cannot be empty. Please enter a year.	Pass
	Entering year Value	Entering "2024" to year value	Display Error: File not found. File not found. Try again.	Display Error: File not found. File not found. Try again.	Pass
TestCase-4	Entering day,month,ye ar	Entering Day=15 Month=06 Year =2024 Entering Day=15 Month=06 Year =2024 Entering Day=15 Month=06 Year =2024 Entering Day=15	Display Load another dataset? (Y/N):	Display Load another dataset? (Y/N):	Pass

TestCase-5	Select a new data file	Enter Y	Display Please enter the day of the survey in the format dd:	Display Please enter the day of the survey in the format dd:	Pass
TestCase-6	Select a new data file	Enter N	Exiting the program.	Exiting the program.	Pass
TestCase-7	Select a new data file	Enter S	Display Invalid input. Enter 'Y' or 'N'. Load another dataset? (Y/N):	Display Invalid input. Enter 'Y' or 'N'. Load another dataset? (Y/N):	Pass
TestCase-8	Entering day,month,ye ar	Entering Day=29 Month=02 Year =2023	Display Invalid date - February has only 28 days in a non-leap year. Please enter a valid year. Display Please enter the day of the survey in the format YYYY:	Display Invalid date - February has only 28 days in a non-leap year. Please enter a valid year. Display Please enter the day of the survey in the format YYYY :	Pass

2. Testing with Results and Screenshots

TestCase-1

```
Please enter the day of the survey in the format dd:p
Integer required
Please enter the day of the survey in the format dd:32
Out of range - values must be in the range 1 and 31
Please enter the day of the survey in the format dd:
Input cannot be empty. Please enter a day.
Please enter the day of the survey in the format dd:13
Please enter the day of the survey in the format MM:
```

TestCase-2

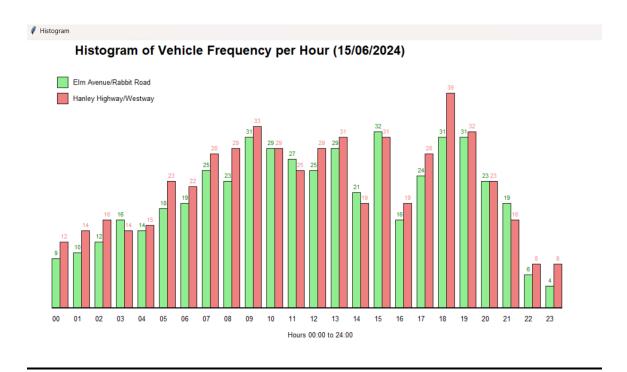
```
Please enter the day of the survey in the format MM :March Integer required
Please enter the day of the survey in the format MM :13
Out of range - values must be in the range 1 and 12
Please enter the day of the survey in the format MM :
Input cannot be empty. Please enter a month.
Please enter the day of the survey in the format MM :06
Please enter the day of the survey in the format YYYY :
```

TestCase-3

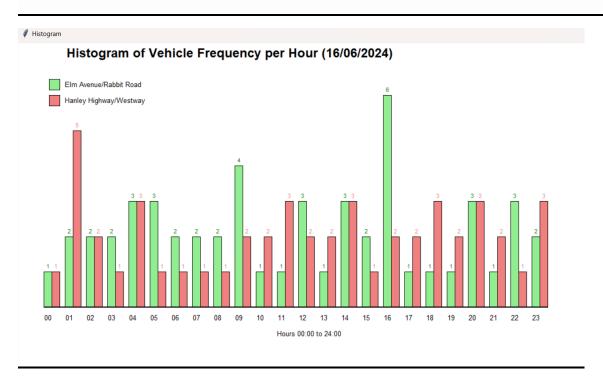
```
Please enter the day of the survey in the format YYYY :March Integer required
Please enter the day of the survey in the format YYYY :1997
Out of range - values must be in the range 2000 and 2024
Please enter the day of the survey in the format YYYY :
Input cannot be empty. Please enter a month.
Please enter the day of the survey in the format YYYY :2024
Error: File not found.
File not found.
Please enter the day of the survey in the format dd :
```

TestCase-4

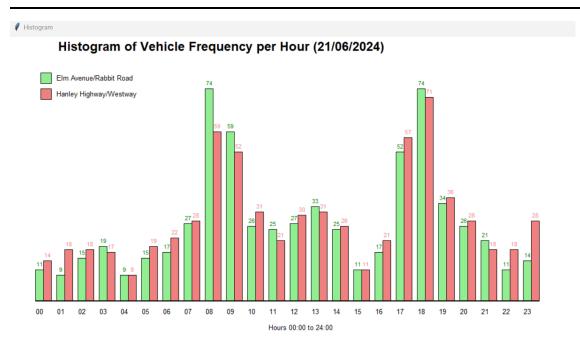
```
Please enter the day of the survey in the format dd:15
Please enter the day of the survey in the format MM:06
Please enter the day of the survey in the format YYYY:2024
Load another dataset? (Y/N):
```



Please enter the day of the survey in the format dd :16 Please enter the day of the survey in the format MM :06 Please enter the day of the survey in the format YYYY :2024 Load another dataset? (Y/N):



Please enter the day of the survey in the format dd :21
Please enter the day of the survey in the format MM :06
Please enter the day of the survey in the format YYYY :2024
Load another dataset? (Y/N):



TestCase-5

Load another dataset? (Y/N): y
Please enter the day of the survey in the format dd:

TestCase-6

Load another dataset? (Y/N): n

TestCase-7

```
Load another dataset? (Y/N): s
Invalid input. Enter 'Y' or 'N'.
Load another dataset? (Y/N):
```

TestCase-8

```
Please enter the day of the survey in the format dd :29
Please enter the day of the survey in the format MM :02
Please enter the day of the survey in the format YYYY :2023
Invalid date - February has only 28 days in a non-leap year. Please enter a valid year.
Please enter the day of the survey in the format YYYY :
```