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Assignment: Final Project

Requirement

Design a program that accepts a file as a cmdline argument, converts the file to usable crime related data and prompts the user for which information they are looking for.

Test Case 1

Arguments = “C:\Users\Harrington.adm\Documents\CMIS 141\Final\Crime.csv”

Menu Input = “1”

Important: Checking to see if file is read. Does the program return correct information?

Expected: State: Return a list of population growth rate for each consecutive year.

Results: Matched expected.

Test Case 2

Arguments = No Arguments

Input = “2“

Important: Checking Error Handling of the Program

Expected: State: Program will exit, program requires argument

Results: Matched expected. Program was able to handle errors in number of arguments.

Test Case 3

Arguments = “C:\Users\Harrington.adm\Documents\CMIS 141\Final\Crime.csv”

Input = “0”

Important: Checking if the program exits correctly, displaying duration time and exit message.

Expected: Error: Display’s both “Thank You” and Elapsed time.

Results: Matched expected, program exits correctly.

Test Case 4

Arguments = “Invalid file”

Input = “5”

Important: Checking if the program can handle this type of error file not found error

Expected: File exit, unable to complete operation

Results: Program did not catch the error, and the program crashed.

Conclusion

With the exception of Test Case 4, all the results were to be expected. Correct Error handling on the last test case would have displayed a more user friendly message, however the result of the program exited would have been the same.





