PHASE 2, PROGRAM A PSEUDOCODE DESIGN

Course: CMP SCI 4500-001

Group Number: 10

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Revision History:

1. 10/08/2024 – Document creation

Pseudocode Design

Purpose: To validate time log files in the current directory that match the pattern "XLog.csv" and output results.

BEGIN

   DISPLAY program introduction

   PROMPT user to continue

   DISPLAY checking message

   INITIALIZE validFiles list

   FOR each file in directory

      IF file matches "XLog.csv" pattern THEN

         ADD file to validFiles

         DISPLAY valid file message

      END IF

   END FOR

   IF no valid files THEN

      DISPLAY error message

      EXIT program

   END IF

   OPEN output file

   IF cannot open output file THEN

      DISPLAY error message

      EXIT program

   END IF

   FOR each valid file

      OPEN log file

      IF cannot open log file OR log file is empty THEN

         CALL handleError and CONTINUE

      END IF

      READ first and second lines

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        IF invalid lines THEN

            CALL handleError and CONTINUE

        END IF

        INITIALIZE lineNumber and isValid

        WHILE more lines in log file

            READ line

            IF invalid line THEN

                CALL handleError and CONTINUE

            ENDIF

            INCREMENT lineNumber

        END WHILE

        CLOSE log file

        IF isValid THEN

            DISPLAY valid file message

            WRITE valid file message to output file

        END IF

    END FOR

    CLOSE output file

    DISPLAY completion message

    PAUSE program so it doesn't shut off

    EXIT program

END
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