

## **ASSIGNMENT**

# **CSC13001 – Windows programming**

#### 1. GENERAL INFORMATION

Assignment ID: Ass01

Assignment name: Total Commander

Type of assignment: Individual

Expected duration: 4 hours

Place of submission: Moodle

Deadline: According to the announcement

#### 2. ASSIGNMENT DESCRIPTION

Create a Win32 Application program for file management with the following requirements:

Requirement 1: Interface Design (2 points)

- Toolbox: includes function buttons such as Back, Forward, Up, Copy, Move, Delete.
- ComboBox: displays a list of hard drives in the computer.
- Label: displays the current directory.
- ListView: displays a list of directories and files in the current directory.

Requirement 2: Responsive User Interface (2 points)

• The user interface has the ability to adapt to the size of the window.

Requirement 3: Display List Functionality (2 points)

- ComboBox: changing the drive will automatically update the corresponding directory display in the ListView.
- ListView: double-clicking or selecting then pressing ente a directory will set it as the current directory and display it in the ListView.

Requirement 4: File Management Functionality (2 points)

- Copy: copies the selected folder or file from one directory to another.
- Move: moves the selected folder or file from one directory to another.
- Delete: deletes the selected folder or file.

Requirement 5: History of Operations (2 points)

• Back: changes to the previous current directory.

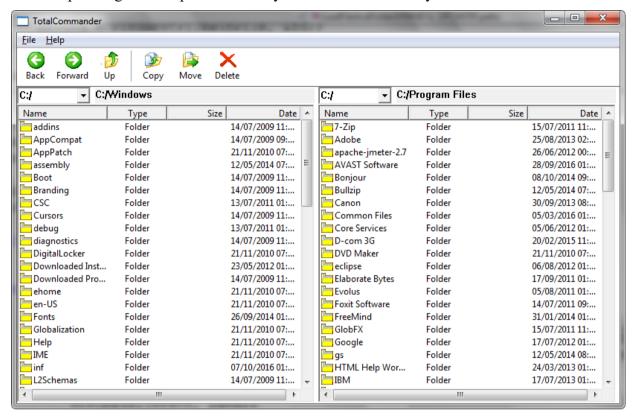


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- Forward: changes to the subsequently opened current directory.
- Up: changes to the parent directory of the current directory.



#### 3. SUBMISSION INSTRUCTIONS

Organize the submission as follows:

- Source code: A folder containing the source code (intermediate files have been deleted using the Build → Clean menu, and the heavy hidden .vs folder has been removed).
- Release: A folder containing the executable files compiled from the source code.
- readme.txt: A text file containing the following mandatory information:
  - Full name and student identification number
  - Functions that have been implemented
  - Functions that have not been implemented
  - Self-assessment score