

# Project 02

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## Project Description

Assuming a memory card or a USB is divided into at least 2 partitions, in which:

- One partition is formatted in FAT32 format.
- One partition is formatted in NTFS format.

The program should have a graphical user interface (GUI) and the following functions:

1. Automatically detect the format of each partition (FAT32 / NTFS).
2. Display the directory tree of each partition when selected.
3. The display name of the folder/file on the directory tree is the full name (Long File Name).
4. The folder can be collapsed/expanded by user interaction.
5. When selecting any folder/file, read and display information for the user, including:
  - Name (including extension if any)
  - Attributes
  - Date created
  - Time created
  - Total Size

## Requirements

- Deadline: **23h59 April 9, 2024.**
- The group should consist of up to 2 students.
- Each student must participate in coding.
- The project must be submitted by the deadline and formatted according to the requirements.
- The required information should be submitted as 2 separate files (not zipped):
  - o **"MSSV1\_MSSV2.zip" / "MSSV1\_MSSV2.rar"** file: compress the entire source code of the program, remove all irrelevant subfolders to reduce the size.
  - o **"MSSV1\_MSSV2.PDF"** file: project report.
- Content of the report:

- Group information.
- List the functions that the group has implemented, clearly indicating which functions were implemented according to the project description and which functions the group proposed to add.
- Detailed description of the functions in the product, including images and detailed descriptions.
- References.
- Report format:
  - Font: **Times New Roman**
  - Font size: **13pt**
  - Text alignment: **Justify**
  - Line spacing: **1.15**
  - Language: **Vietnamese / English is accepted**

## Bonus points

- **Max +0.5 points** in the final practical grade if the group implements additional functions:
  - Delete and Restore folder/files
  - Displaying the content of the selected file (text format only)
  - Any other relevant functionalities

## Important Notes

- The project will be presented and defended during the last week of the semester.
- We do not accept any late submissions for any reason.
- Submitting in the wrong format as required will result in a point deduction.
- We do not accept any copying of work from other groups for any reason. Any violation of this policy will result in failure of the assignment/course.

**-- THE END --**