Custom Backup Solution

PROBLEM DESCRIPTION

We have two corporate servers performing replication between each other and performing full back ups. Currently, the backups save on the server themselves. We need a custom program that will move the backup files automatically to a remote site. This program should behave as a sync. Add files that are missing and remove files that are no longer present. See the diagram for visual aid.

ASSIGNMENT DETAILS

Create a program to sync two directories. The backup directory should only contain the files in the source directory. This means if a new file shows up, the program moves the file to the backup directory. If a file exists in the backup directory that is not in the source directory, the file is removed from the backup directory.

TECHNICAL DETAILS

- Create a custom backup class. This class should have two attributes, a 'source' & 'destination' attribute
- The Backup class should have a sync method that when called,syncs the files between the source and destination class

EXPECTED CLASSES

Sync class

Attributes: source, destination, source_files, destination_files

Methods: sync()

NOTES

You will need to scan both directories, compare the files in each. You must then remove or add the files based on the indicated requirements.

- Use the OS module to remove files
- Use ShutilIto copy files
- Use OS module to list files in directories
- Each class gets its own file and is imported into the main file