Phase 1

Summary

- This phase involves the testing of the back-end component alone, before connecting it to the interface.
- For each functionality, different ways were used to test if it is successful or not. More info in table below.
- For more details into the test cases, check 📄 Phase 1 Cases

Functionalities

Use Case	Functionality	Verification
Retrieve info about teachers/students/etc…	Query SQL DB from Python	Compare output with the actual correct query results
Submitting an assignment	Upload assignments to Storage Account	Download uploaded files from the storage account in local testing directory
Reading a past submission	Download a file from Storage Account	Confirm the assignment file exists within local testing directory
Adding a new class/student	Creating Folders in Storage Account	Confirm that new folders were created in the storage account

Results [04/10/2023]

```
PS C:\Users\youni\Desktop\CapStoneProject\PowerShell> python .\testing_cases.py
-------------------------- Query Script Testing --------------------------
Query number 1  status: Success
Query number 2  status: Success
Query number 3  status: Success
Query number 4  status: Success

-------------------------- Uploading Assignments --------------------------
File Upload 1  status: Success
File Upload 2  status: Success
File Upload 3  status: Success
File Upload 4  status: Success

-------------------------- Reading Assignments --------------------------
File Upload 1  status: Success
File Upload 2  status: Success
File Upload 3  status: Success
File Upload 4  status: Success

-------------------------- Creating Folders --------------------------
Creating Folder 1 status: Success
Creating Folder 2 status: Success
Creating Folder 3 status: Success
Creating Folder 4 status: Success

Execution Time: 247.41056418418884
```