

COMP3334 – Project Report

Course code: COMP3334

Team No.: Team 58

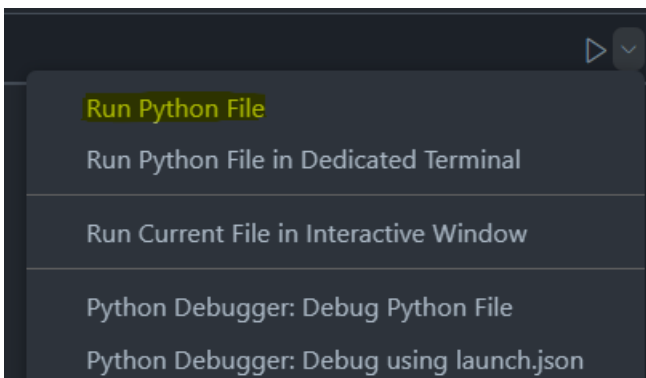
Student ID	Name	Overall Contribution
		25%
		25%
		25%
	Chung Cheuk Hang	25%

Pre enquires:

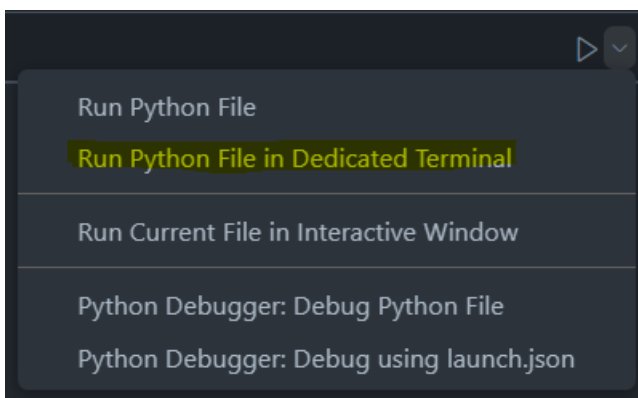
1. Install **Python 3.11.6** from <https://www.python.org/downloads/release/python-3116/> (tick add to PATH)
2. Install **Visual Studio Code** <https://code.visualstudio.com/download>
3. In Visual Studio Code, install **Python Extension (ID: ms-python.python)**
<https://marketplace.visualstudio.com/items/?itemName=ms-python.python>
4. Open the **Terminal** in Visual Studio Code
5. Run **pip --version**
6. If error install pip by following <https://pip.pypa.io/en/stable/installation/>
7. Click File>Open Folder, then select **code** folder
8. In the **Terminal**, run **pip install -r requirements.txt**

Run the code

1. Double-click the **server.py** in Visual Studio Code
2. In **server.py**, click **Run Python File** in the top right corner



3. Double-click the **client.py** in Visual Studio Code
4. In **client.py**, click **Run Python File in Dedicated Terminal** in the top right corner



5. Wait for the program to start for 3 seconds

Exit the Program

```
1. Register
2. Login
3. Exit
Enter choice: 3
```

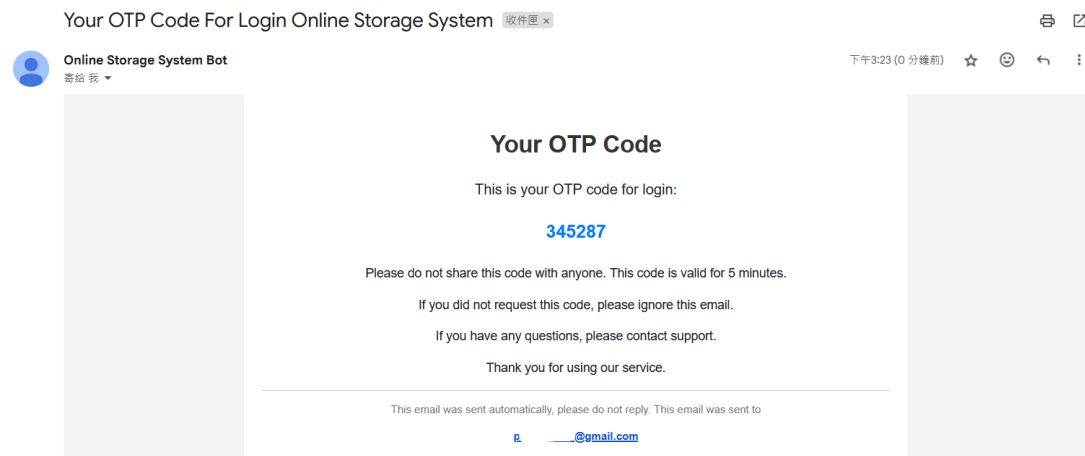
Register

```
1. Register
2. Login
3. Exit
Enter choice: 1
Enter username: a
Enter email: a@gmail.com
Enter password:
{'message': 'Registration successful'}
```

Login

```
1. Register
2. Login
3. Exit
Enter choice: 2
Enter username or email: a
Enter password:
Enter OTP: 868163
Login successful
```

OTP can be received in the email provided by the user during registration.



Logout

```
Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 3
Logged out successfully
```

Manage file

Upload

```
Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit
Enter choice: 1
Enter file path to upload: readme.md
{'file_id': 1}
```

Edit

```
Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit
Enter choice: 2
Enter file ID to edit: 1
Enter new file path to upload: readme.md
{'message': 'File updated'}
```

Delete

```
Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit
Enter choice: 3
Enter file ID to delete: 1
{'message': 'File deleted'}
```

Download

```
Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit
Enter choice: 4
Enter file ID to download: 1
File downloaded successfully
```

Share

Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit

Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit

Enter choice: 5

Enter file ID to share: 1

Enter username to share with: b

{'message': 'File shared'}

View

View files uploaded by that user

```
Logged in as a

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit
Enter choice: 6

1. View all files names
2. View shared files names
Enter choice: 1

File ID: 1, File Name: readme.md
```

View files shared with that user

```
Logged in as b

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 1

1. Upload File
2. Edit File
3. Delete File
4. Download File
5. Share File
6. View File
7. Exit
Enter choice: 6

1. View all files names
2. View shared files names
Enter choice: 2

File ID: 1, File Name: readme.md, Shared By: a
```

Manage account

Change password

```
Logged in as b

1. Manage File
2. Manage Account
3. Logout
4. Exit
Enter choice: 2

1. Change Password
2. Logout
3. Exit
Enter choice: 1
Enter new password:
Re-enter new password:
{'message': 'Password changed successfully'}
```


Admin function

View all user details

```
Logged in as admin

1. View all users
2. View user logs
3. Logout
4. Exit
Enter choice: 1
Username: admin, Email: admin@gmail.com
Username: a, Email: a@gmail.com
Username: b, Email: b@gmail.com
```

View logs

```
Logged in as admin

1. View all users
2. View user logs
3. Logout
4. Exit
Enter choice: 2
Timestamp: 1744340130, Username: admin, Operation: create_admin, Details: Admin user created
Timestamp: 1744340468, Username: a, Operation: register, Details: User registered
Timestamp: 1744340481, Username: b, Operation: register, Details: User registered
Timestamp: 1744340498, Username: admin, Operation: login, Details: User logged in
```