

READ ME for Project 4: Remote Code Repository

- To start the project, open Developer Command Prompt as Administrator, go to project path, and run compile.bat and run.bat
- If you want to run Console Client, WPF client and Server on different ports then mentioned, please follow below guideline.

```
start "Client" .\Debug\Client.exe localhost:8083 localhost:8090
start "WPF Client" .\Debug\CppCli-WPF-App.exe localhost:8081 localhost:8090
start "Server" .\Debug\Server.exe localhost:8090
start "Test Executive" .\Debug\TestExec.exe
```

Console Client: Client.exe CLIENT_ADDRESS SERVER_ADDRESS

WPF Client: WPF-APP.exe CLIENT_ADDRESS SERVER_ADDRESS

Server Client: Client.exe SERVER_ADDRESS

- Below is client-server communication to understand the source code

Client's Request	Message Type	Command	Server's Response	Message Type	Command
UPLOAD_REQUEST	file	UPLOAD	UPLOAD_RESPONSE	string	ACK_UPLOAD
DOWNLOAD_REQUEST	string	REQUEST_DOWNLOAD	DOWNLOAD_RESPONSE	file	DOWNLOAD
GETALLFILES_REQUEST	string	REQUEST_ALL_FILES	GETALLFILES_RESPONSE	string	RESPONSE_ALL_FILES
END_CLIENT_RECEIVER	string	END_CLIENT_RECEIVER	END_SERVER	string	END_SERVER

- GUI:**
 - Upload Tab:
 - Browse button to select file from Dialogue Box
 - Get All Files List button to get all files from server
 - To add dependencies, you can select multiple files from ListBox after clicking GetAllFiles button
 - To mark it Open, check the checkbox **"Open?"**.
 - Extract Tab:
 - Click on GetAllFiles button to list of all files from server
 - You can Select Multiple files by clicking multiple files
 - If you want to download with dependencies, check the checkbox **"With Dependencies"**.
 - Click on Download button to download all files.

- Repositories:**

Owner	Repository Name
Client	Client_Repository
WPF-Client	WPF_Client_Repository
Server	Server_Repository

- If you face any issue in compiling or running the project, you can contact me on rmbhupta@syrr.edu or +0-201-755-5242.