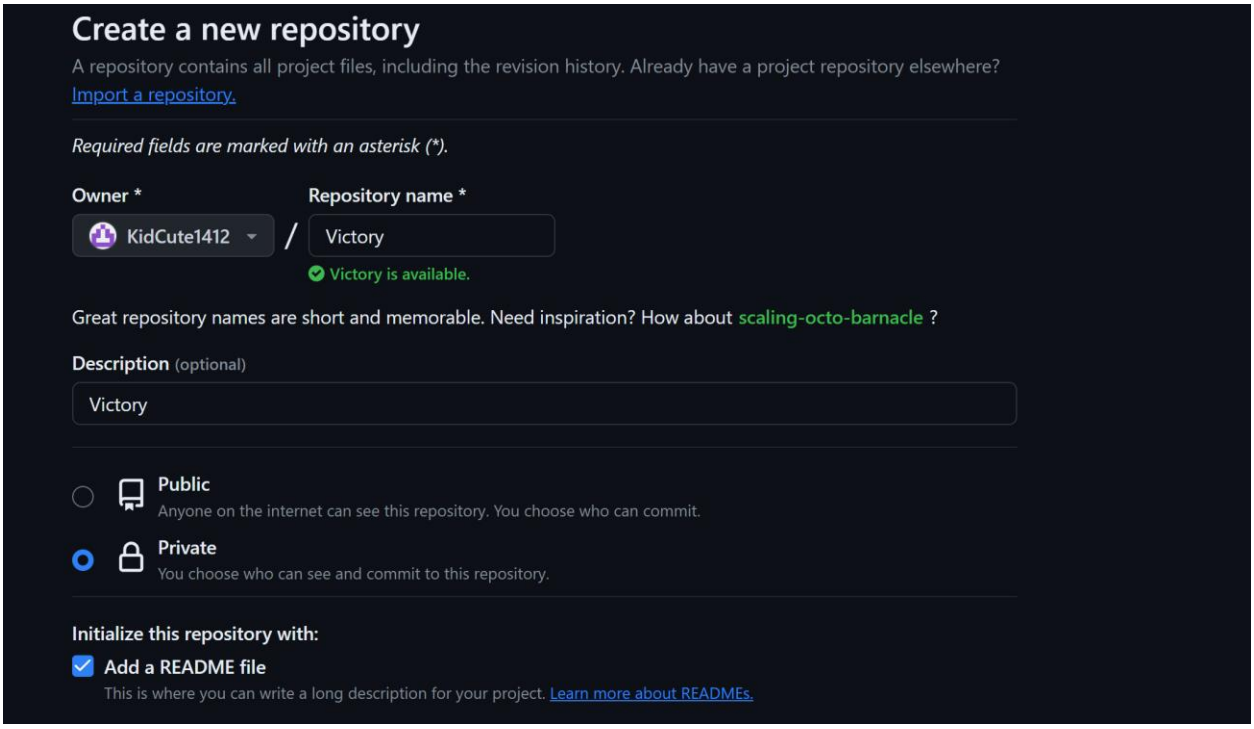
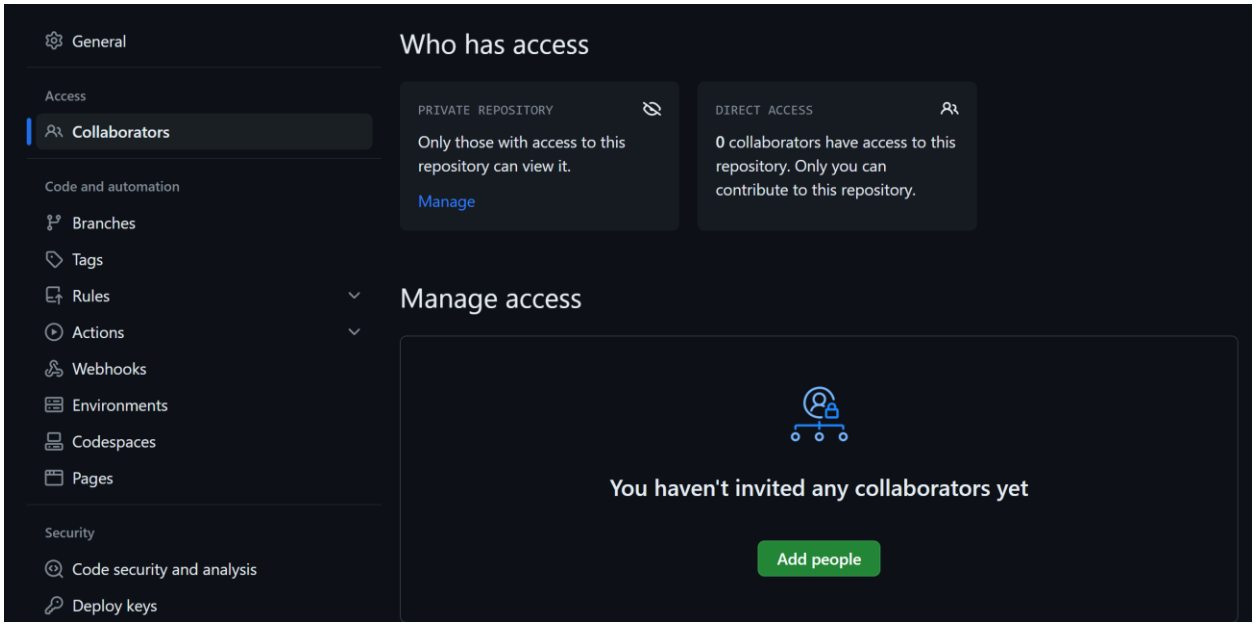
1. Create a private GitHub repository.

- Go to https://github.com/ and sign in to your account.
- Click the "+" icon in the top right corner and select "New repository."
- Give your repository a descriptive name and select the "Private" option under "Visibility."
- Optionally, add a brief description and initialize the repository with a README file.
- Click "Create repository."



2. Invite all group members to the repository.

- In your repository page, go to the "Settings" tab.
- Under "Collaborators," click "Invite collaborators."
- Enter the usernames of your group members and select their permission level (e.g., "Write" for full access, “Read” for only watching, “Maintain” for allowing creating and merging pull requests, but not pushing directly to the main branch.).
- Click "Send invite."



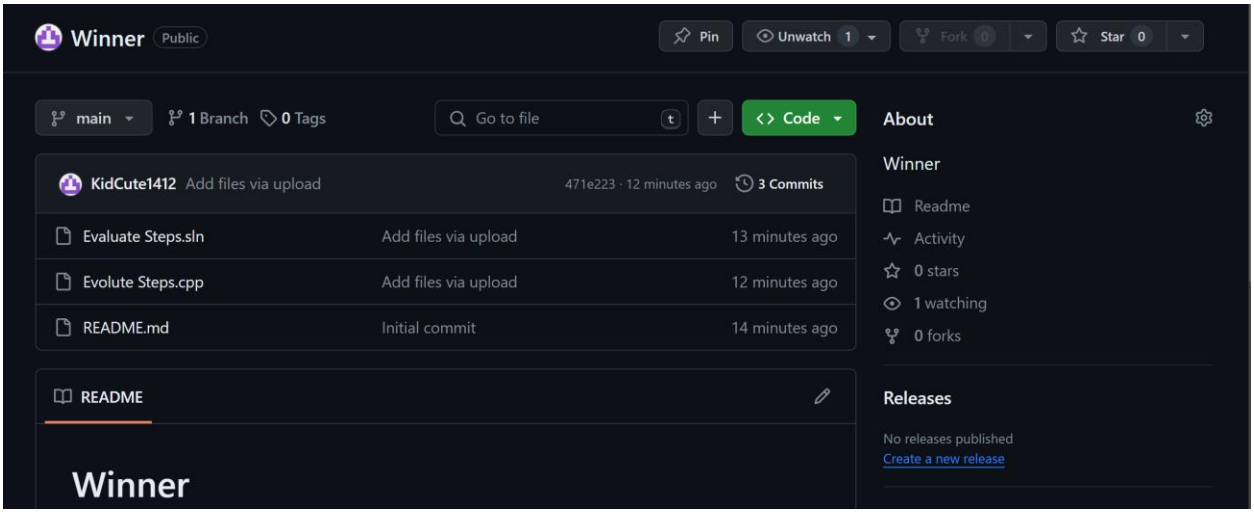
3. Clone the repository to your local machines.

Find the "Clone or download" button:

- Look for a green button labeled "Clone or download" on the right side of the repository homepage.

Copy the repository URL:

- Click the "Clone or download" button. A dropdown menu will appear.
- Under the "HTTPS" section, click the clipboard icon next to the URL to copy it. This URL points to the location of your repository on GitHub.



Open a terminal or command prompt:

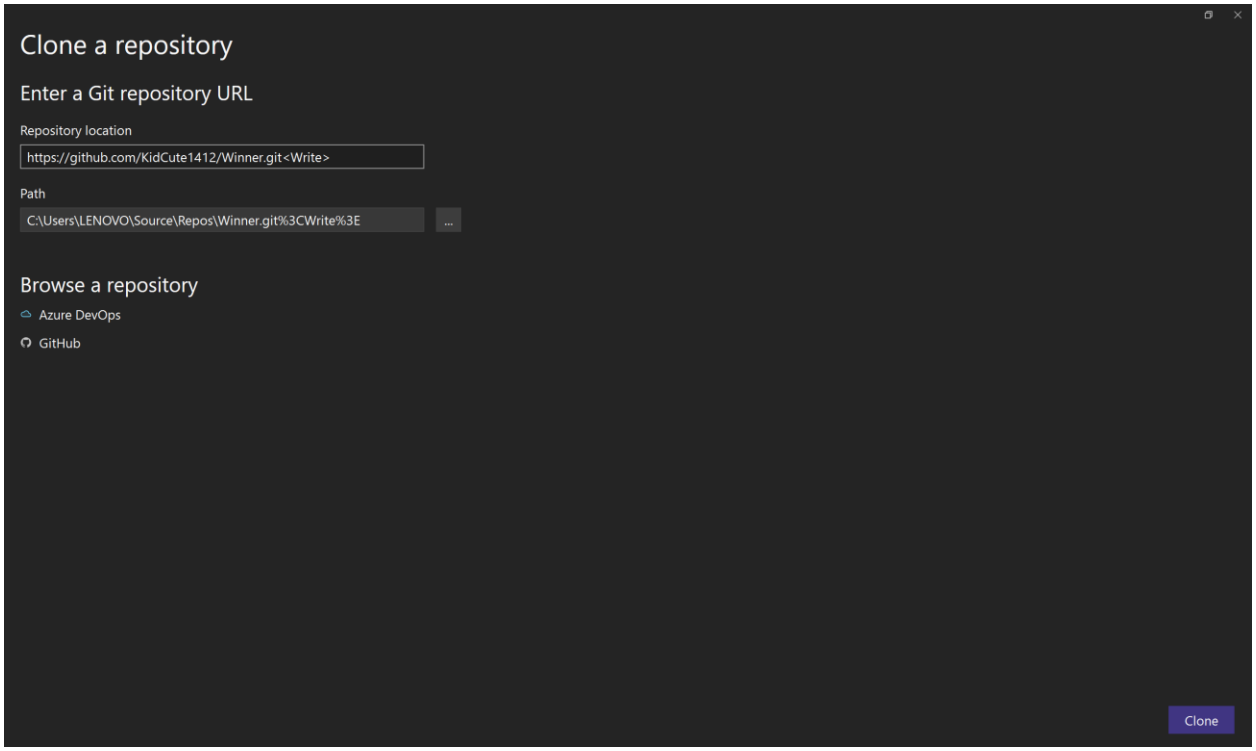
- On your local machine, open a terminal window or command prompt. You can usually find this application by searching for "Terminal" or "Command Prompt" in your start menu or applications list.

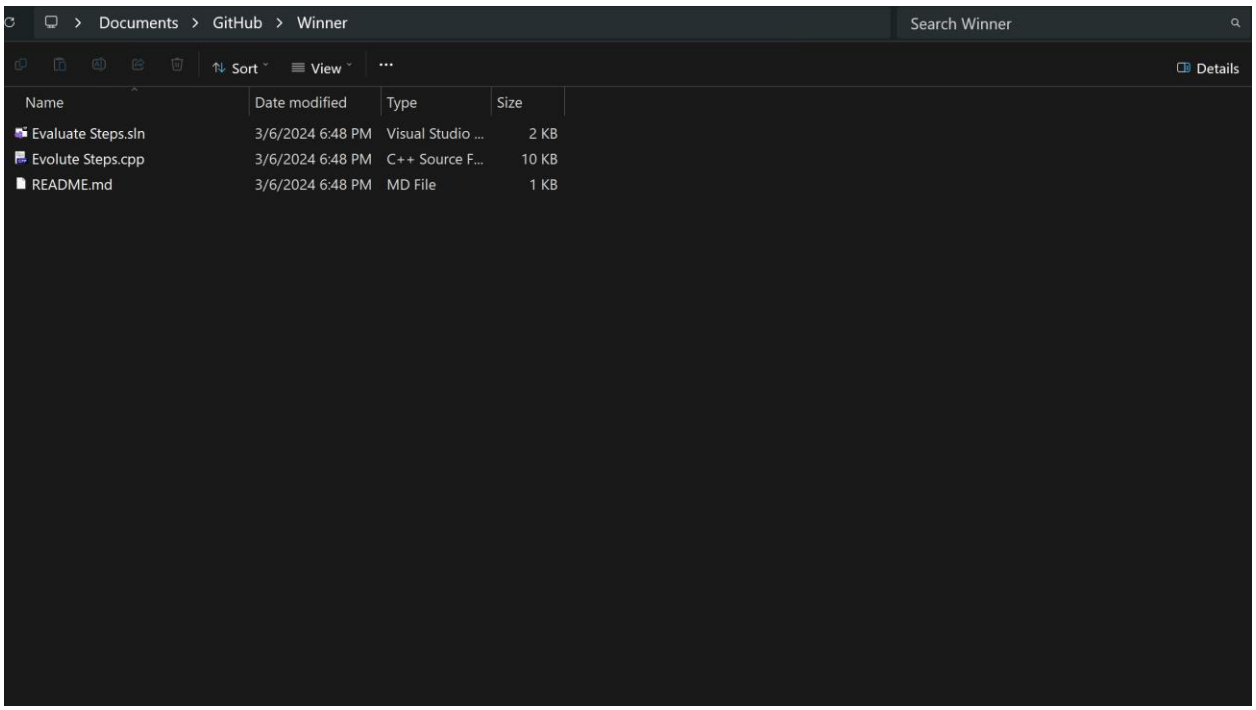
Navigate to your desired directory:

- Use the `cd` command to navigate to the directory where you want to clone the repository on your local machine. For example, if you want to clone it into a folder named "my-projects" on your desktop,

Use the `git clone` command:

- In your terminal window, type the `git clone` command followed by the URL you copied in step 3. Press Enter.





This is what I have when I clone it to my computer!

4. Create a folder to store the project's source code files.

I already do it above !

5. Implement an empty main() function.

Access your local clone:

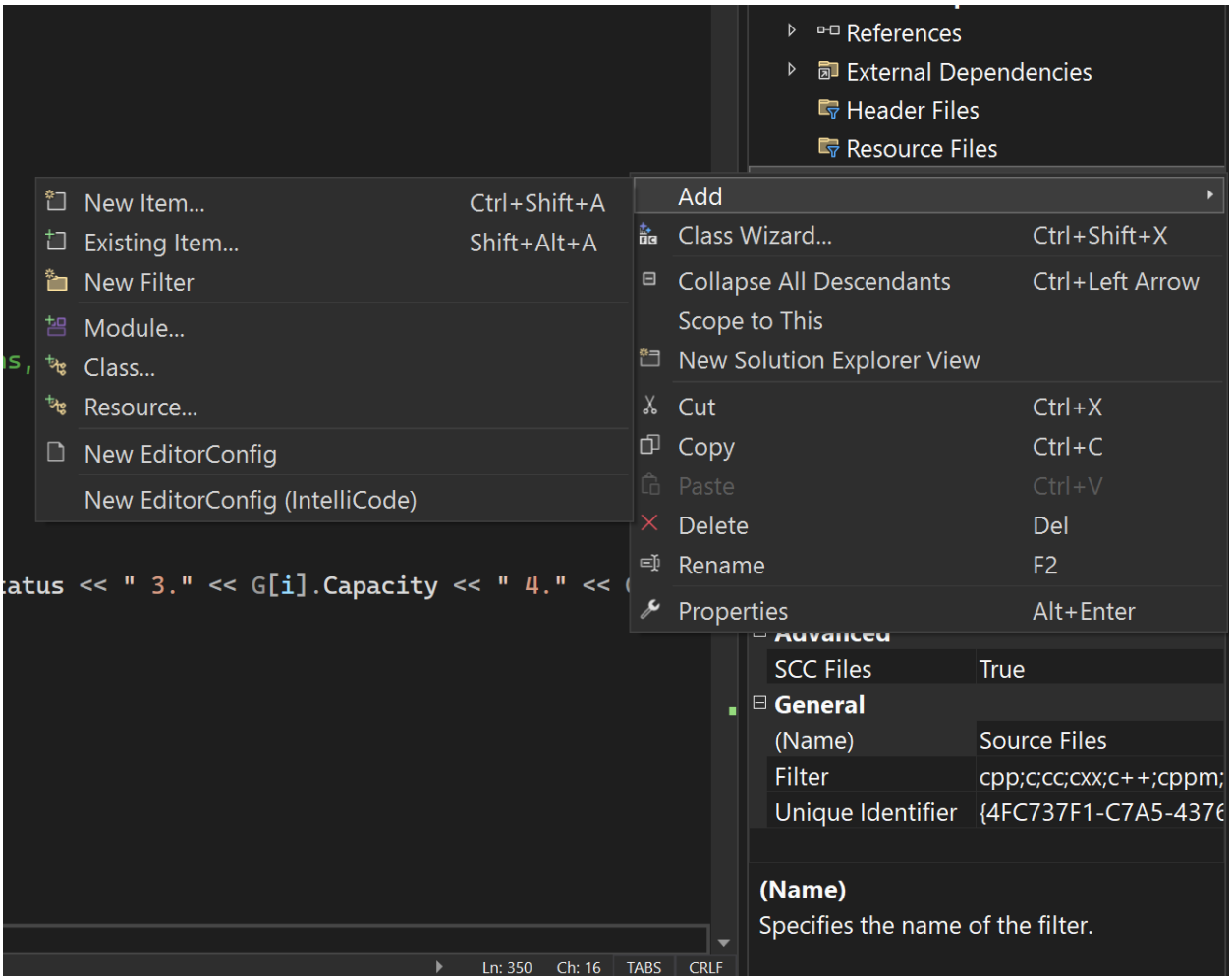
- Ensure you have already cloned the repository to your local machine as described previously. Navigate to the cloned directory using your terminal or command prompt.

Create the file:

- Use your preferred text editor or IDE to create a new file named `main.cpp` in your project directory.

Add the code:

- In the `main.cpp` file, paste the following code to create an empty `main` function


References
External Dependencies
Header Files
Resource Files
New Item... Ctrl+Shift+A
Existing Item... Shift+Alt+A
New Filter
Module...
Class...
Resource...
New EditorConfig
New EditorConfig (IntelliCode)
Add
Class Wizard... Ctrl+Shift+X
Collapse All Descendants Ctrl+Left Arrow
Scope to This
New Solution Explorer View
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Del
Rename F2
Properties Alt+Enter
SCC Files True
General
(Name) Source Files
Filter cpp;c;cc;cxx;c++;cppm;
Unique Identifier {4FC737F1-C7A5-4376
(Name)
Specifies the name of the filter.
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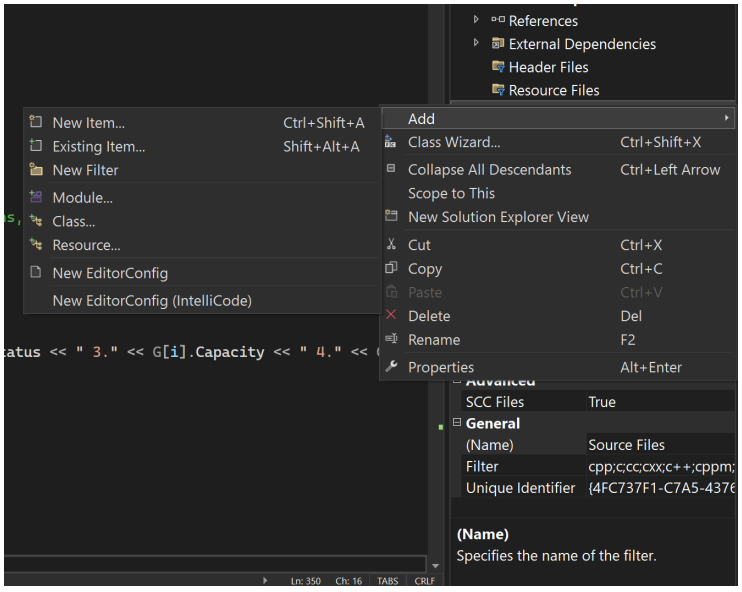
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Collapse All Descendants Ctrl+Left Arrow
Scope to This
New Solution Explorer View
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Del
Rename F2
Properties Alt+Enter
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Unique Identifier {4FC737F1-C7A5-4376
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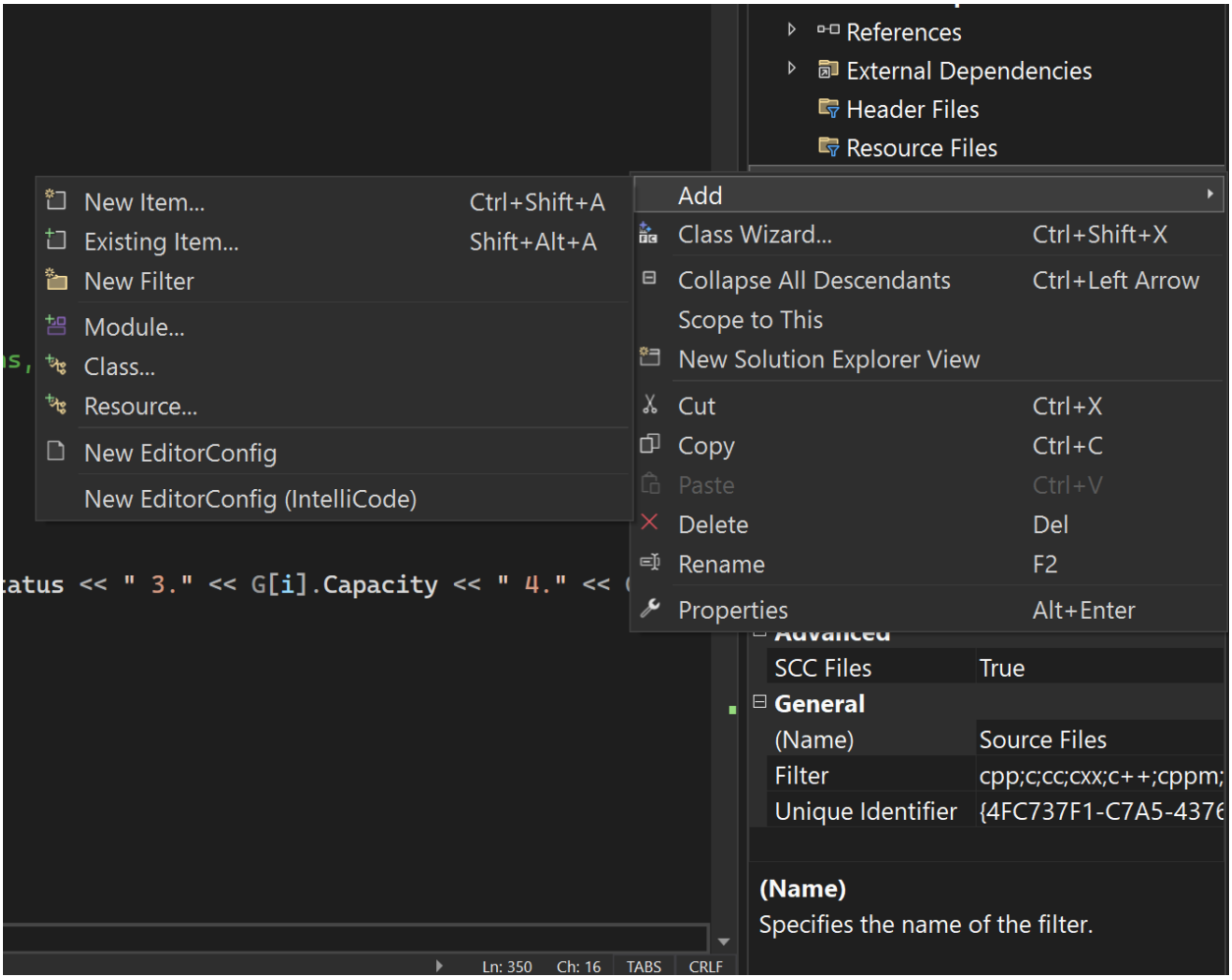
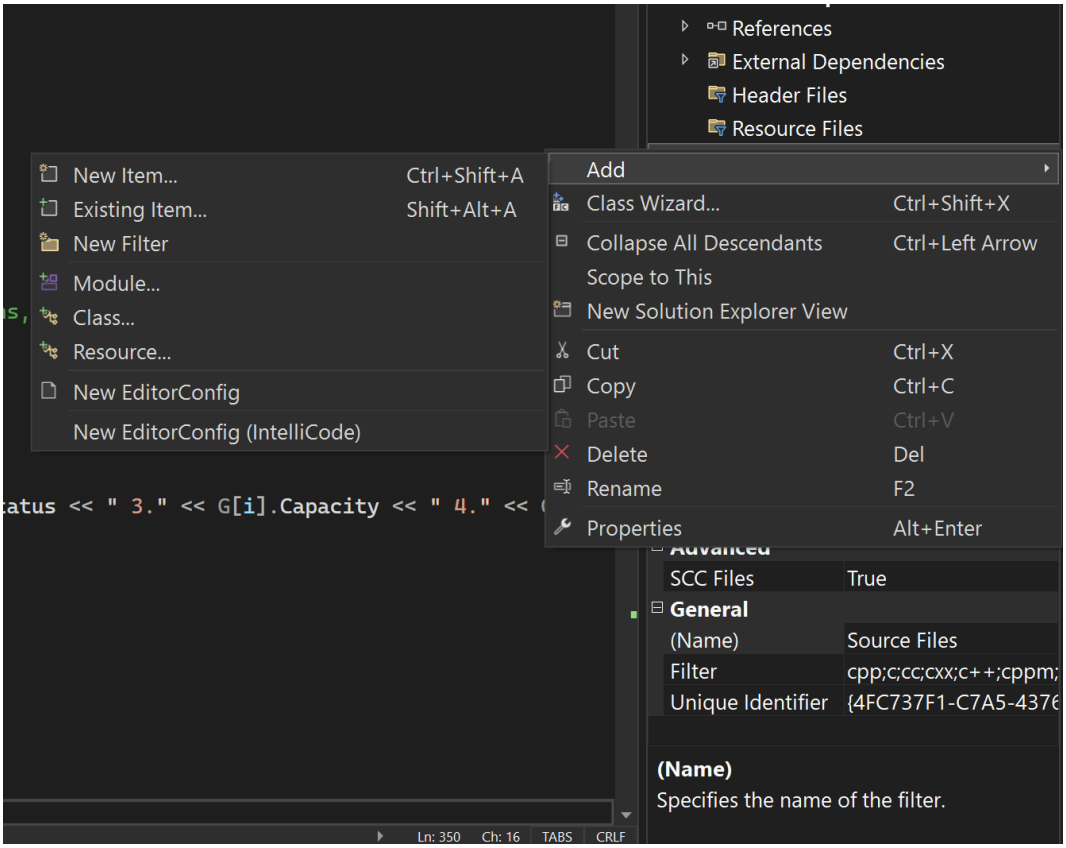
Specifies the name of the filter.

6. Add a .gitignore file to the project.

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Resource...
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Collapse All Descendants Ctrl+Left Arrow
Scope to This
New Solution Explorer View
Cut Ctrl+X
Copy Ctrl+C
Paste Ctrl+V
Delete Del
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SCC Files True
General
(Name) Source Files
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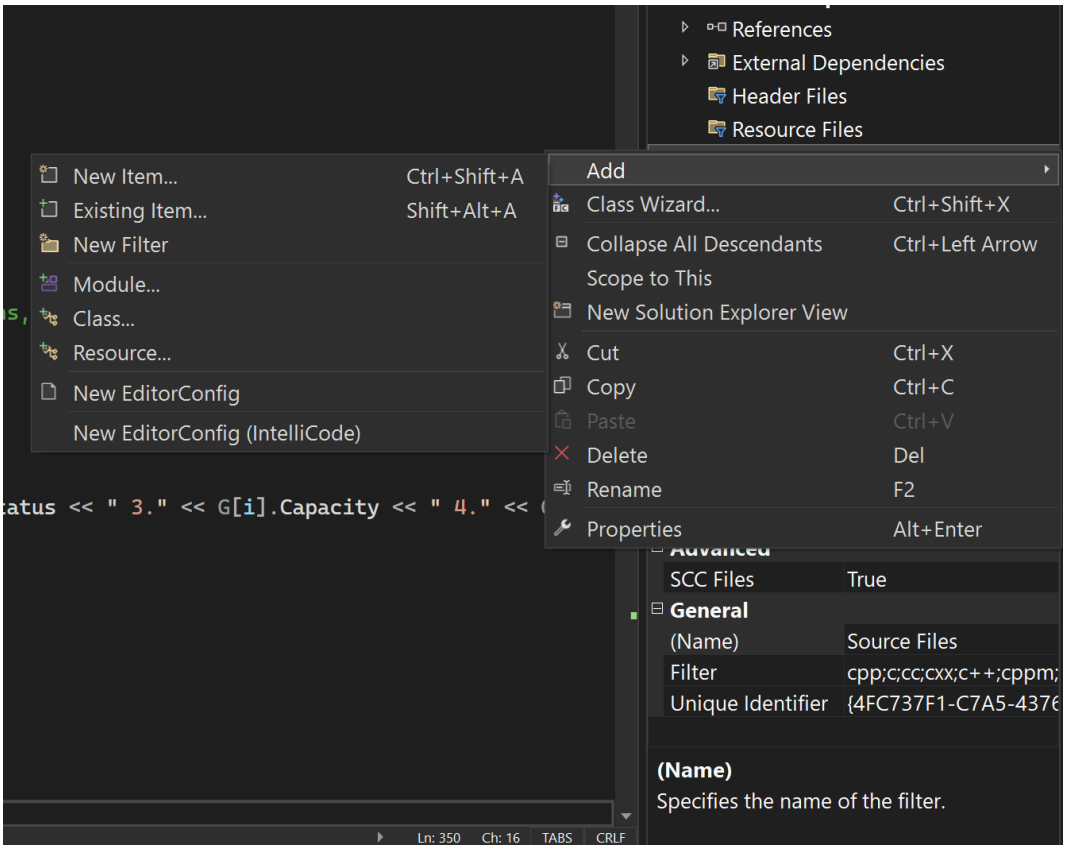
Unique Identifier {4FC737F1-C7A5-437
(Name)
Specifies the name of the filter.
tatus << " 3." << G[i].Capacity << " 4." <<
Ln: 350 Ch: 16 TABS CRLF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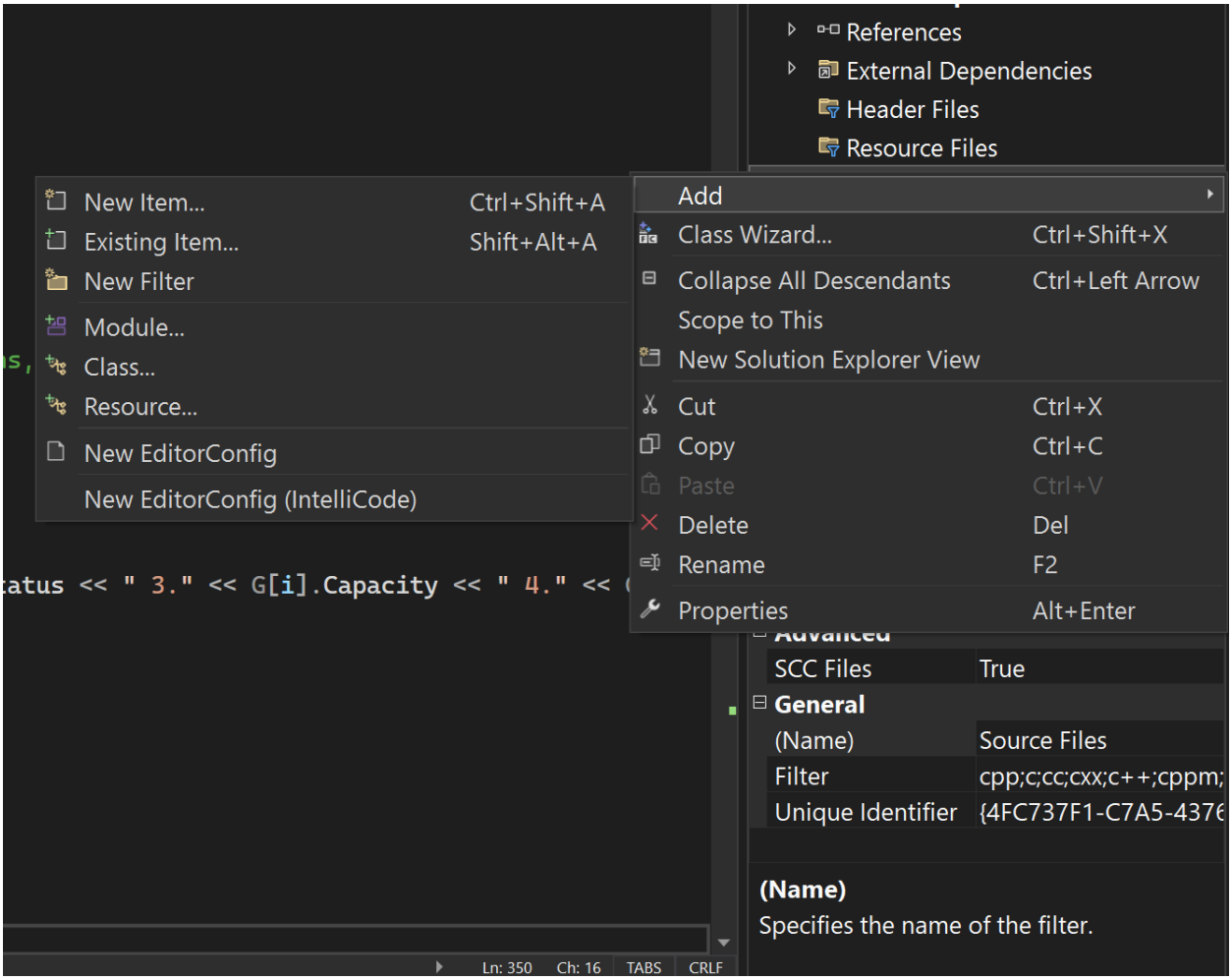
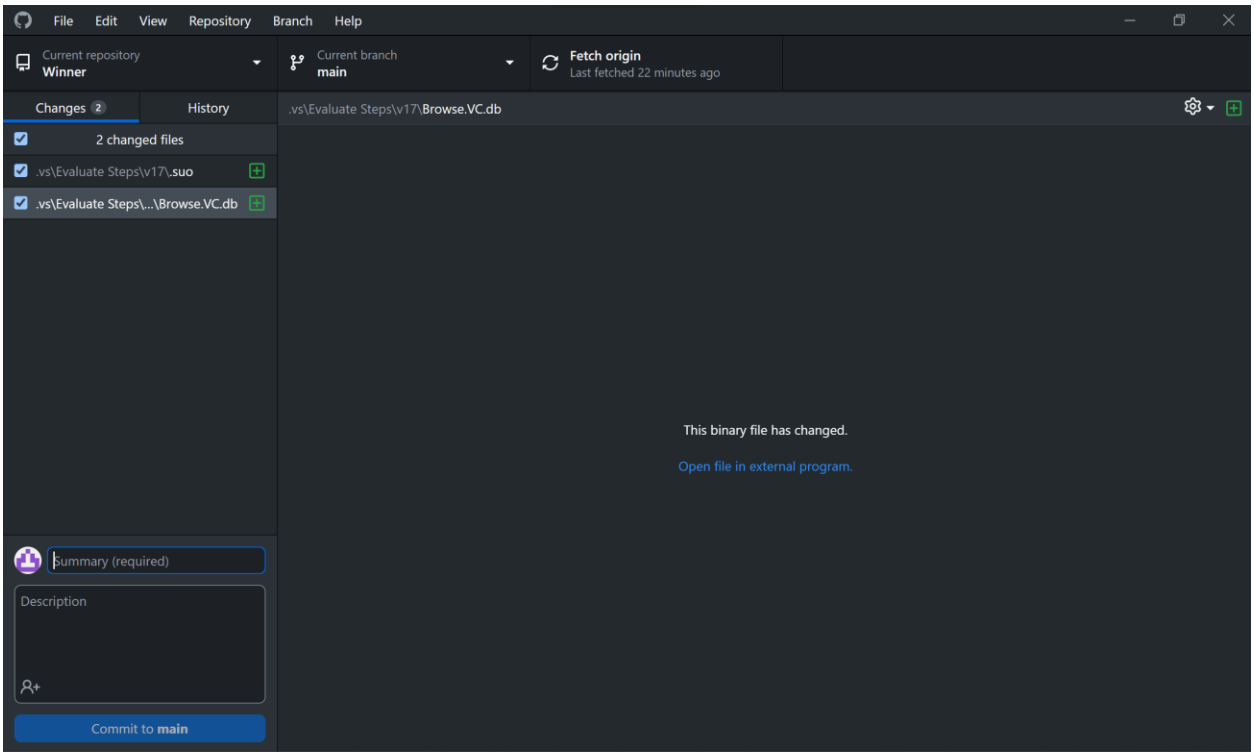
Ln: 350 Ch: 16 TABS CRLF

7. Develop additional functions and files to illustrate the use of Git commands: git add, git commit, git push, and git pull.

ADD:



COMMIT:



PUSH:

git push origin main

- **Navigate to the directory:** Open your terminal and navigate to the root directory of your local repository using the `cd` command.
- **Push changes:** Run the following command, replacing `<remote>` with the actual remote name (usually `origin`) and `<branch>` with the specific branch you want to push to (usually `main`)

PULL

- **Navigate to the directory:** Use cd to navigate to your local repository's root directory.
- **Pull changes:** Run the following command:
  git pull <remote> <branch>

CONFLICT RESOLVE

When you git pull a file from GitHub, and your friend does the same. Then your friend change the data in the file, he git push it to GitHub. You do the same but later, and when you do so, GitHub will annouce you that there is a conflict . In order to solve it, let's:

+ Click "Resolve Conflict"

+ It will show the different between 2 files

+ Then, click "Mark as done" -> choose "Commit merge"