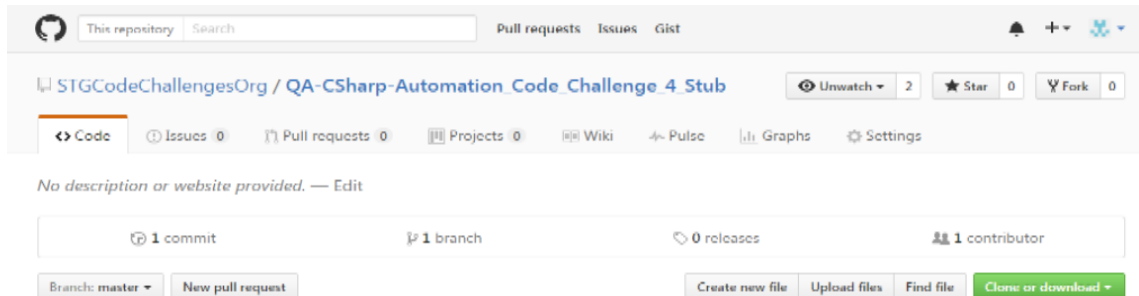
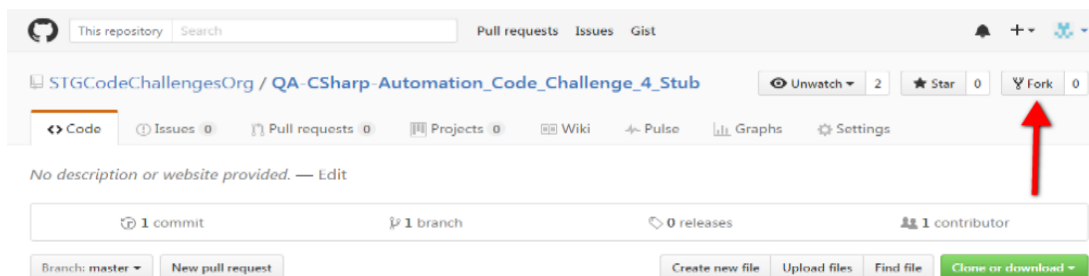


Git Procedure – Code Challenges

1. Go to the STGCodeChallengesOrg QA-CSharp-Automation_Code_Challenge_4_Stub GitHub repository - https://github.com/STGCodeChallengesOrg/QA-CSharp-Automation_Code_Challenge_4_Stub



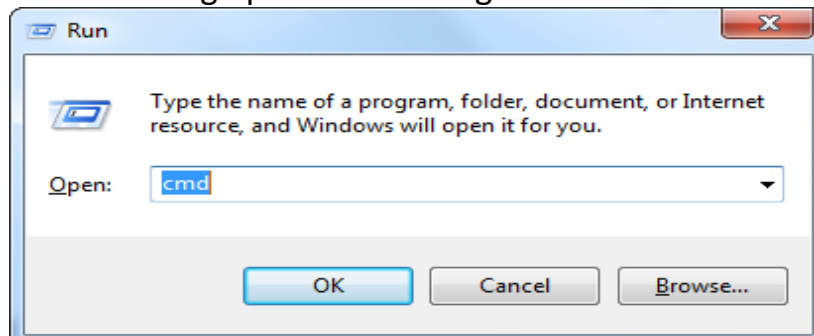
2. Click the Fork button – this creates a clone of the project on the remote server with you as the owner



3. Note that a new repository has been created under your personal GitHub account with a reference to the forked from repository



4. Start a terminal window by pressing the Window key and the R key on the keyboard. This will bring up the Run dialog box. Enter cmd and press the Enter key.



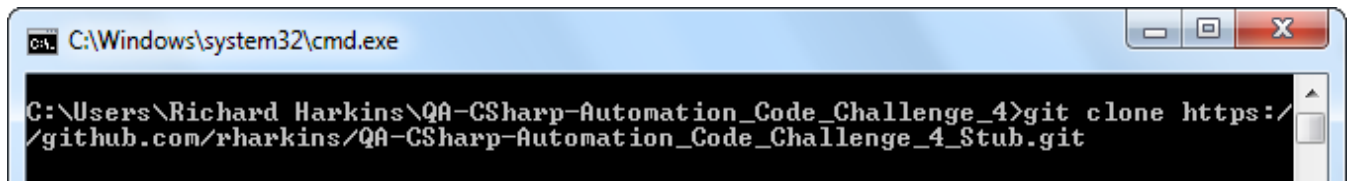
5. Change directory to the location of your local working directory – e.g. `cd <local working directory path>`



```
C:\Windows\system32\cmd.exe

C:\Users\Richard Harkins>cd QA-CSharp-Automation_Code_Challenge_4_
```

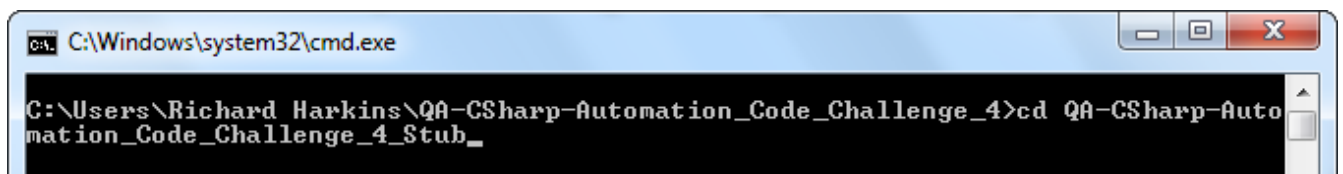
6. Clone the remote git repository to your local working directory – e.g. `git clone <URL to remote git repository>`



```
C:\Windows\system32\cmd.exe

C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4>git clone https://github.com/rharkins/QA-CSharp-Automation_Code_Challenge_4_Stub.git
```

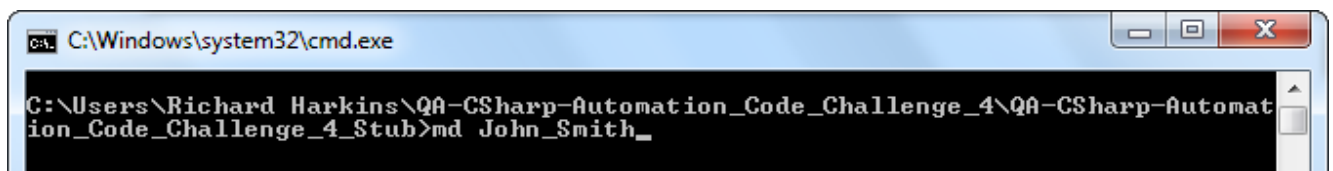
7. Change directory to the stub directory that was just cloned – e.g. `cd QA-CSharp-Automation_Code_Challenge_4_Stub`



```
C:\Windows\system32\cmd.exe

C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4>cd QA-CSharp-Automation_Code_Challenge_4_Stub_
```

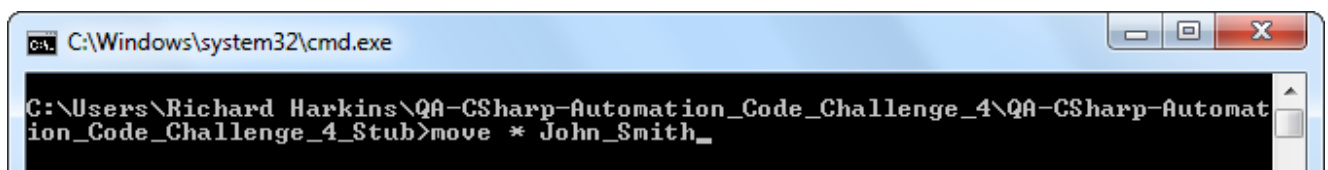
8. Create a directory under the QA-CSharp-Automation_Code_Challenge_4_Stub directory named your Firstname and Lastname – e.g. `md John_Smith`



```
C:\Windows\system32\cmd.exe

C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4\QA-CSharp-Automation_Code_Challenge_4_Stub>md John_Smith_
```

9. Move the files from your local working directory into the directory you just created – e.g. `move * John_Smith`



```
C:\Windows\system32\cmd.exe

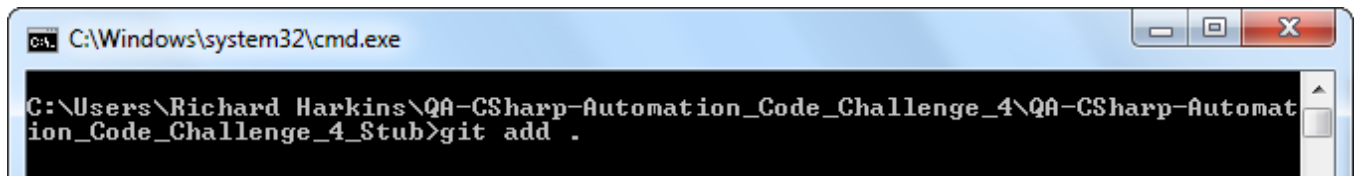
C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4\QA-CSharp-Automation_Code_Challenge_4_Stub>move * John_Smith_
```

- Using your IDE of choice, code your solution starting from the QA-CSharp-Automation_Code_Challenge_4_Stub directory

The following table contains links for setup and configuration of git in several CSharp IDEs:

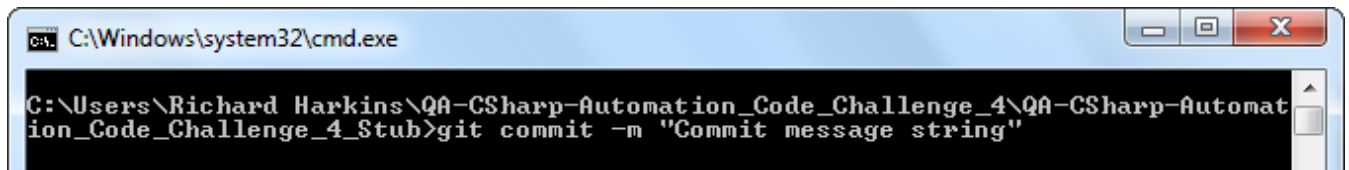
Language	IDE	Tutorial Website
CSharp	Visual Studio	https://www.visualstudio.com/en-us/docs/git/gitquickstart
CSharp	MonoDevelop	http://yasar.senturk.name.tr/blog/2014/03/29/how-to-use-github-with-monodevelopxamarin-studio/

- When you have finished coding your solution, add your FirstName_LastName directory to include in your commit (snapshot) to your local git repository – e.g. git add .



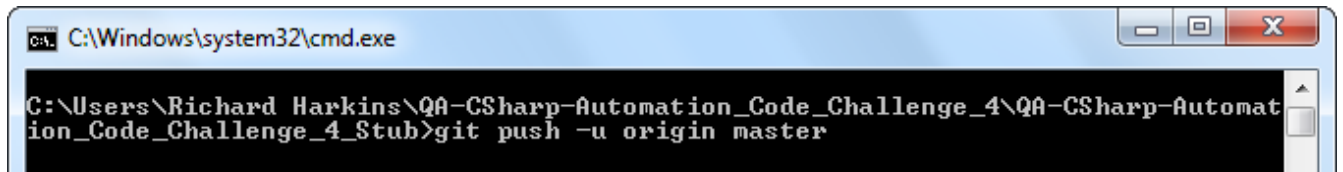
```
C:\Windows\system32\cmd.exe
C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4\QA-CSharp-Automation_Code_Challenge_4_Stub>git add .
```

- Commit added files/directories to local git repository, including a commit message (-m parameter) – e.g. git commit -m "commit message goes here"



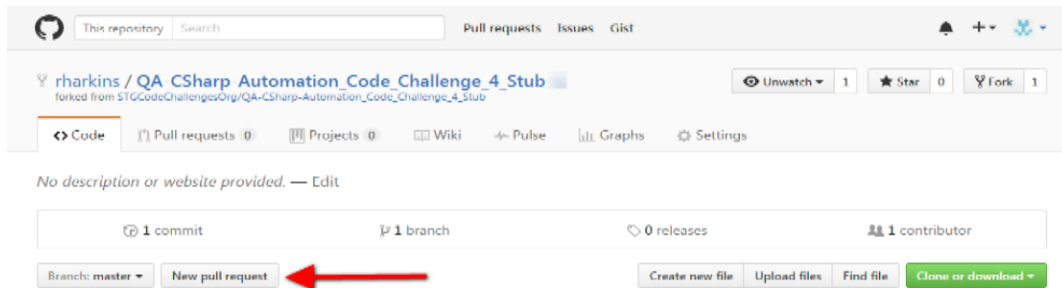
```
C:\Windows\system32\cmd.exe
C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4\QA-CSharp-Automation_Code_Challenge_4_Stub>git commit -m "Commit message string"
```

- Push your files – e.g. push -u origin master



```
C:\Windows\system32\cmd.exe
C:\Users\Richard Harkins\QA-CSharp-Automation_Code_Challenge_4\QA-CSharp-Automation_Code_Challenge_4_Stub>git push -u origin master
```

14. Click the New Pull Request button on GitHub to start the creation of a Pull request



15. Click the Create pull request button on GitHub to send a pull request to the project owner

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

A screenshot of the 'Comparing changes' section on GitHub. It shows a form with dropdown menus for 'base fork: STGCodeChallengesOrg/QA-Ja...', 'base: master', 'head fork: rharkins/QA-Java-Automation_...', and 'compare: master'. Below the form, there is a red error message: 'X Can't automatically merge. Don't worry, you can still create the pull request.' At the bottom, there is a green 'Create pull request' button (highlighted with a red arrow) and a text prompt: 'Discuss and review the changes in this comparison with others.' A help icon is also visible.

16. Add text to the pull request message and click on the Create pull request button

A screenshot of the 'Create pull request' form on GitHub. The form has a title 'Updated README.md' and two tabs: 'Write' and 'Preview'. The 'Write' tab is active, showing a text area with the placeholder text 'Please add this update to the main branch.' Below the text area, there is a dashed line and the text 'Attach files by dragging & dropping, selecting them, or pasting from the clipboard.' At the bottom, there is a checkbox labeled 'Allow edits from maintainers. Learn more' and a green 'Create pull request' button (highlighted with a red arrow).

17. The new pull request is now created and is pending approval from the remote repository owner. You can check the status of your pull request by clicking on the Pull Request tab on the remote repository's page:

