

GitHub Stage, Commit, and Push

Stage code changes

- Open PowerShell, a terminal window, or cmd
- Navigate to the directory where your repository is located
 - hint: use the change directory (cd) command
- Enter **git status**
 - note: the first step is to always check the status of your repository to determine whether the changes have been flagged by git
 - note: if the changes appear in red they are ready for staging. If the changes appear in green they have already been staged.

```
C:\Users\rkrasso\csd\csd-340 (master -> origin)
λ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

       modified:   module-12/final.html

no changes added to commit (use "git add" and/or "git commit -a")

C:\Users\rkrasso\csd\csd-340 (master -> origin)
λ |
```

- Stage the changes
 - Enter **git add -i**
 - Choose option "4: add untracked" for new files
 - Choose option "5: patch" for modified files
 - Enter an "asterisk" (*), which selects all files
 - Optionally, you could select the individual file by entering the number to the right of the file
 - Enter **q** to exit the interactive window

git add -i

```
λ git add -i
      staged      unstaged path
  1:    unchanged    +1/-1 module-12/final.html

*** Commands ***
  1: status      2: update      3: revert      4: add untracked
  5: patch      6: diff        7: quit         8: help
What now> |
```

5: patch

```
What now> 5
      staged      unstaged path
  1:    unchanged    +1/-1 module-12/final.html
Patch update>> |
```

Select all files (*) and select all changes

```
Patch update>> *
diff --git a/module-12/final.html b/module-12/final.html
index e149a39..9cd166e 100644
--- a/module-12/final.html
+++ b/module-12/final.html
@@ -2,7 +2,7 @@
<html lang="en">
<head>
  <meta charset="UTF-8">
-  <title>Title</title>
+  <title>CSD 340 Web Development with HTML and CSS</title>
</head>
<body>

Stage this hunk [y,n,q,a,d,/,e,?]? y|
```

Enter q to exit the interactive menu

```
What now> q
Bye.

C:\Users\rkrasso\csd\csd-340 (master -> origin)
λ |
```

Commit your work

- Enter **git commit -m "Updated module-12/final.html"**
 - note: the **-m** command allows you to add a message to the staged code
 - note: always include a meaningful message when committing your work to GitHub

```
C:\Users\rkrasso\csd\csd-340 (master -> origin)
λ git commit -m "Updated module-12/final.html"
[master 9da1c41] Updated module-12/final.html
1 file changed, 1 insertion(+), 1 deletion(-)
```

- Enter **git status** to verify the changes were committed
 - note: you should see “nothing to commit, working tree clean.” This effectively means the changes were committed.

```
C:\Users\rkrasso\csd\csd-340 (master -> origin)
λ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
```

Push your work to GitHub

- Enter **git push -uv origin master**
 - note: the branch will either be named **master** or **main**. If you try pushing to **master** and it fails, try **main**

```
C:\Users\rkrasso\csd\csd-340 (master -> origin)
λ git push -uv origin master
Pushing to https://github.com/buwebdev/csd-340.git
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 483 bytes | 241.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0)
POST git-receive-pack (646 bytes)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/buwebdev/csd-340.git
    b0250aa..9da1c41  master -> master
updating local tracking ref 'refs/remotes/origin/master'
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

