

# GitHub work cycle

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# CodeGraf landing page

- [vanderbi.it/codegraf](http://vanderbi.it/codegraf)

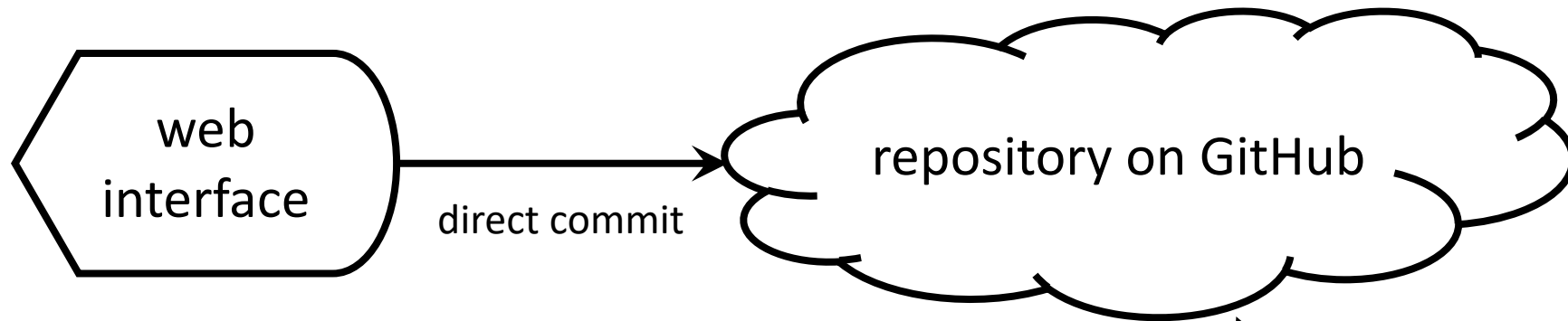
# Creating and staging documents

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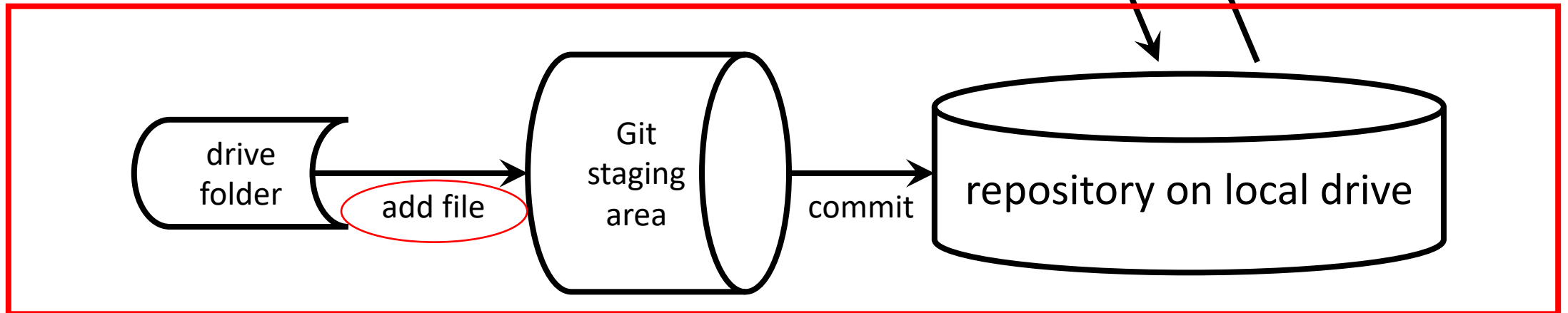


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# The World of Git and GitHub



## local computer file system



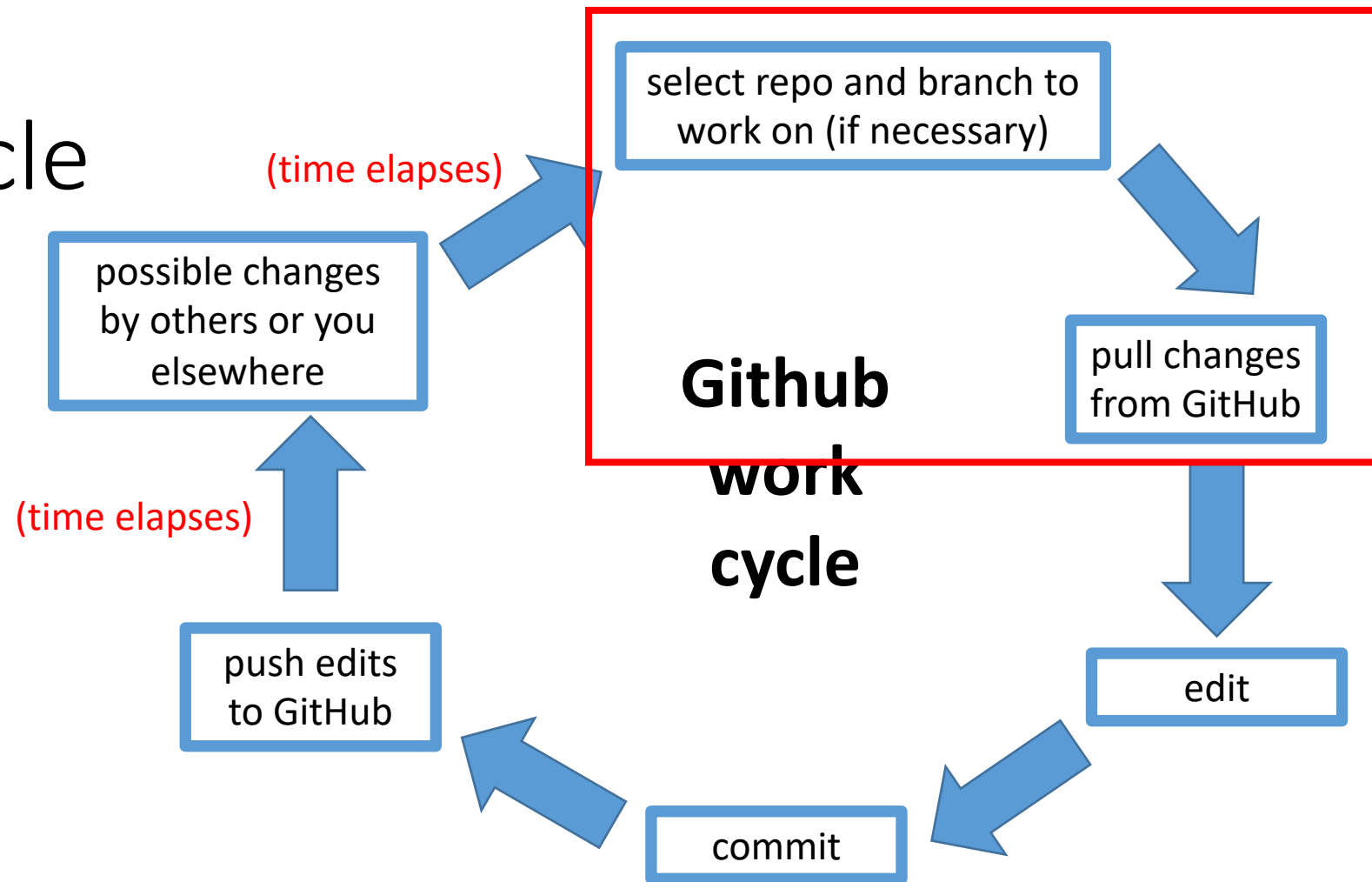
# Beginning the work cycle

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# Work cycle



- Always start a work session by pulling changes from GitHub
- Always end a work session by pushing changes to GitHub

# CSV spreadsheets

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# Editing CSV files

- It is best to edit using either Libre Office or Open Office.
- Excel is possible if saved as a CSV (not .xlsx), but Excel is unreliable with date conversions and is generally NOT recommended
- CSV files can be edited as raw text, but not recommended due to problems with handling special characters like , and "



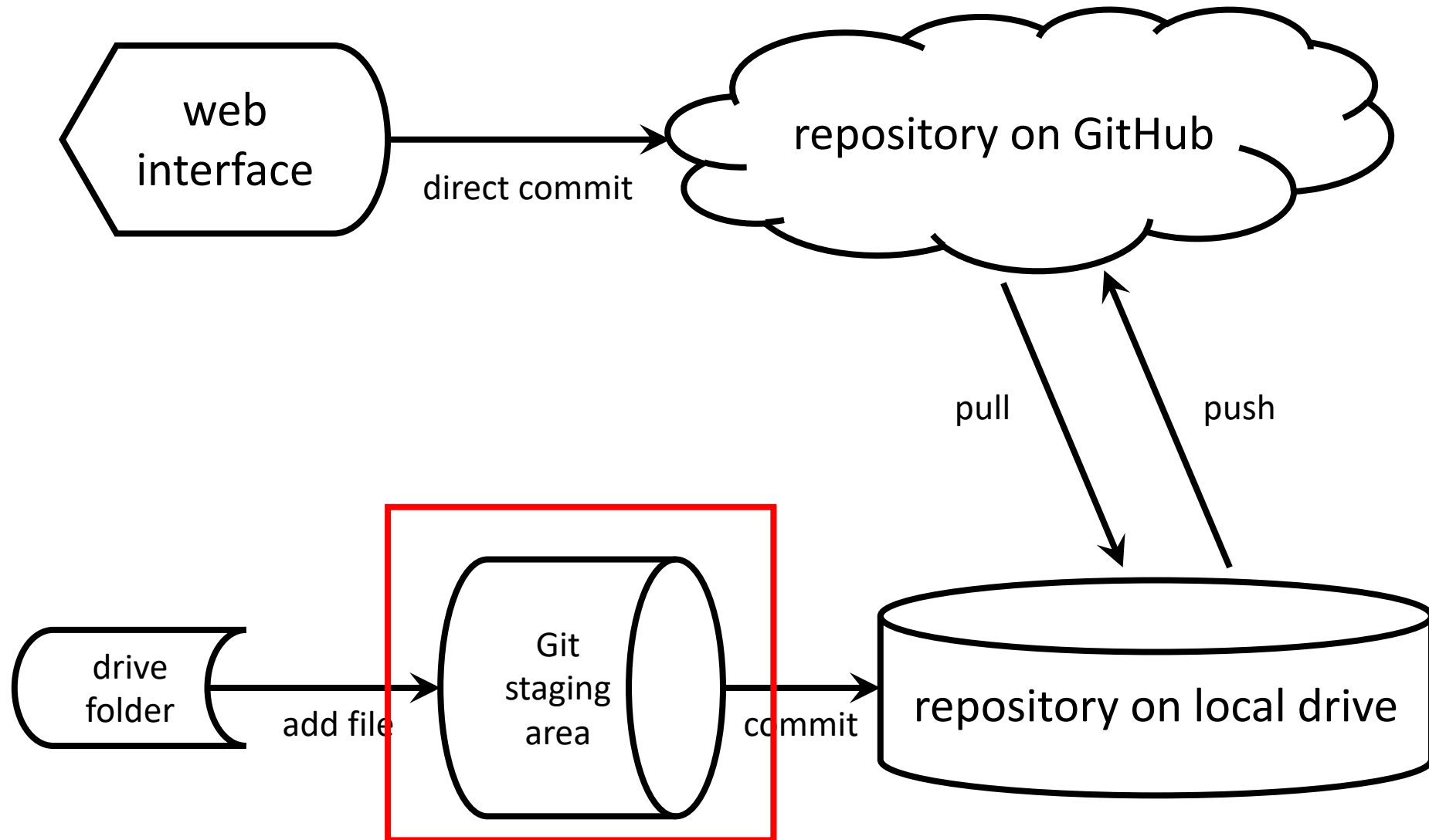
# Checkboxes and staging

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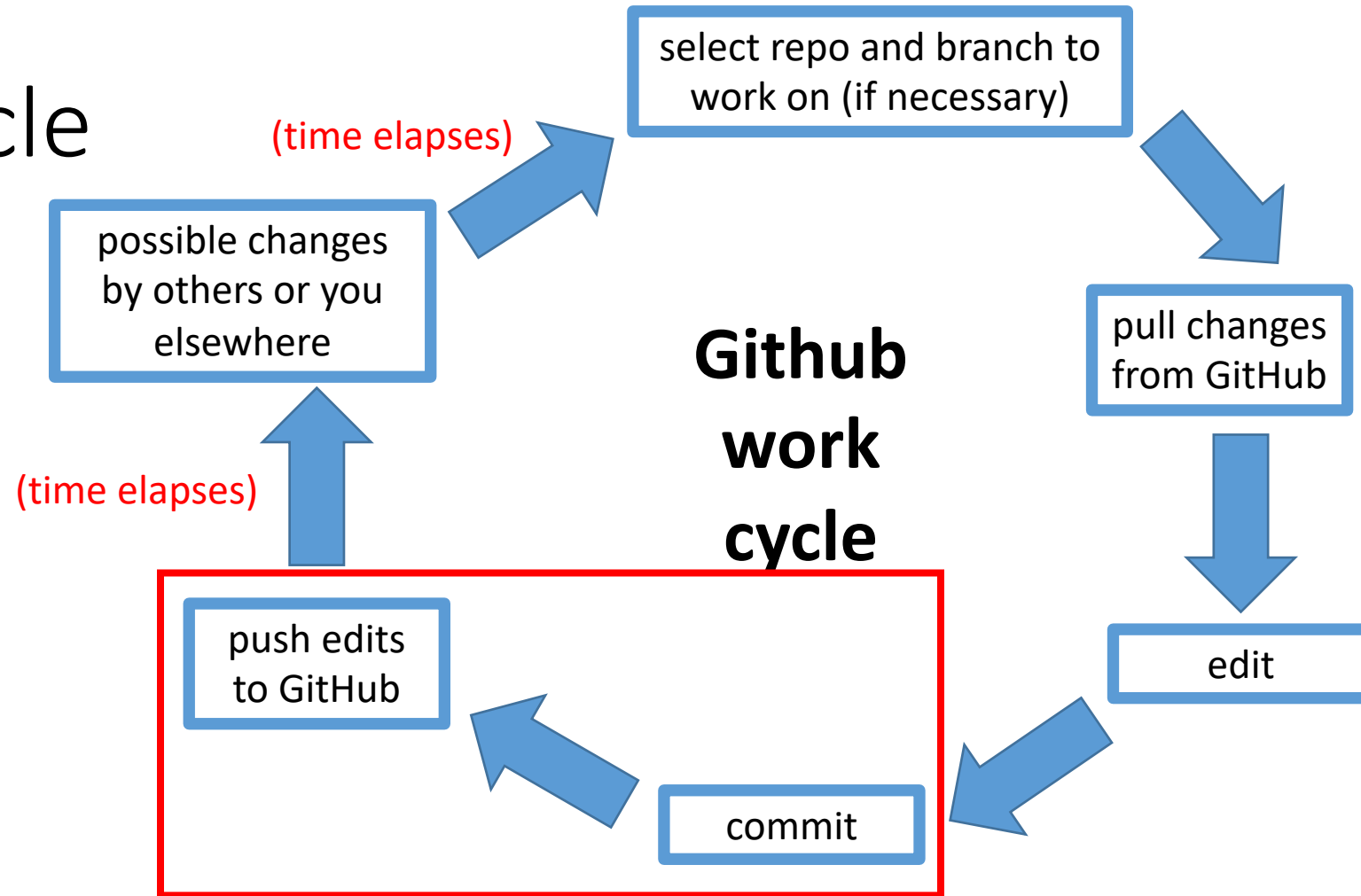
# Making a second commit

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# Work cycle



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# Viewing rendered files and diffs

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# Raw vs. rendered files

```
column 1,column 2,another column  
a,3,dog  
b,1,cat  
d,6,cattle
```

raw CSV

	A	B	C
1	column 1	column 2	another column
2	a	3 dog	
3	b	1 cat	
4	d	6 cattle	
5			

rendered CSV

```
instructions.md  
1 # How to make a spreadsheet  
2  
3 1. Open it  
4 1. Type stuff  
5 1. Save  
6 1. Close the file  
7
```

raw Markdown

## How to make a spreadsheet

1. Open it
2. Type stuff
3. Save
4. Close the file

rendered Markdown

# "diffs" (differences between commits)

@@ -1,4 +1,4 @@			
1	column 1,column 2,another column	1	column 1,column 2,another column
2	- a,3,one	2	+ a,3,dog
3	- b,1,four	3	+ b,1,cat
4	d,6,cattle ⊖	4	d,6,cattle ⊖

side-by-side diff (GitHub website)

finish instructions, correct spreadsheet

Steve Baskauf f8cbe0c 2 changed files Hide Whitespace

		@@ -1,4 +1,4 @@		
instructions.md	+	1	1	column 1,column 2,another column
spreadsheet.csv	•	2		-a,3,one
		3		-b,1,four
		2		+a,3,dog
		3		+b,1,cat
		4	4	d,6,cattle ⊖

inline diff (GitHub desktop)

# The problem of binary files

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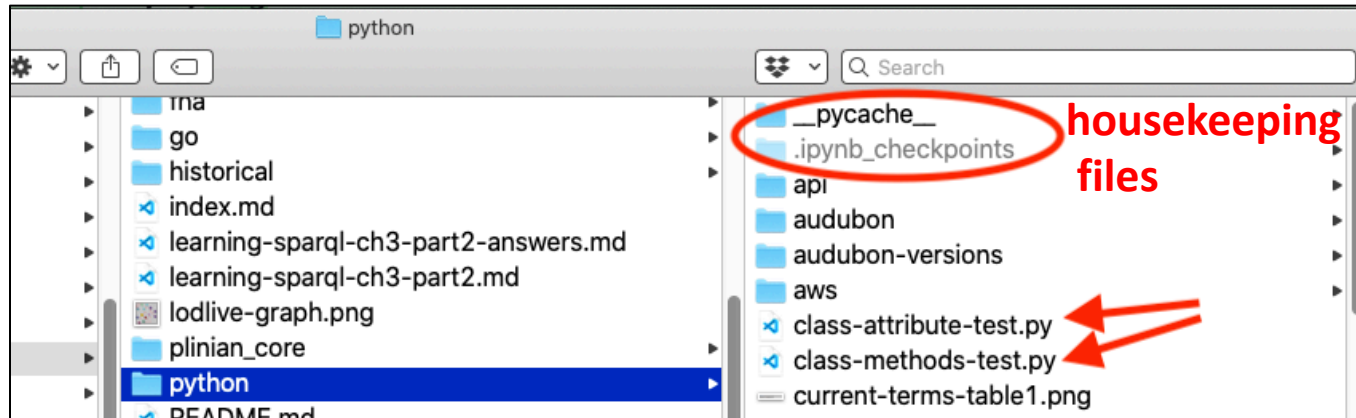
# Recovering a deleted file

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# Editing .gitignore

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# Ignoring housekeeping files with .gitignore



```
2
3 # Byte-compiled / optimized / DLL files
4 __pycache__/
5 *.py[co]
6 *$py.class
7
8 # C extensions
9
10 target/
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29 # Jupyter Notebook
30 .ipynb_checkpoints
31
32 # IPython
```

**.gitignore**  
**file**

# Making, pushing, and viewing a PDF

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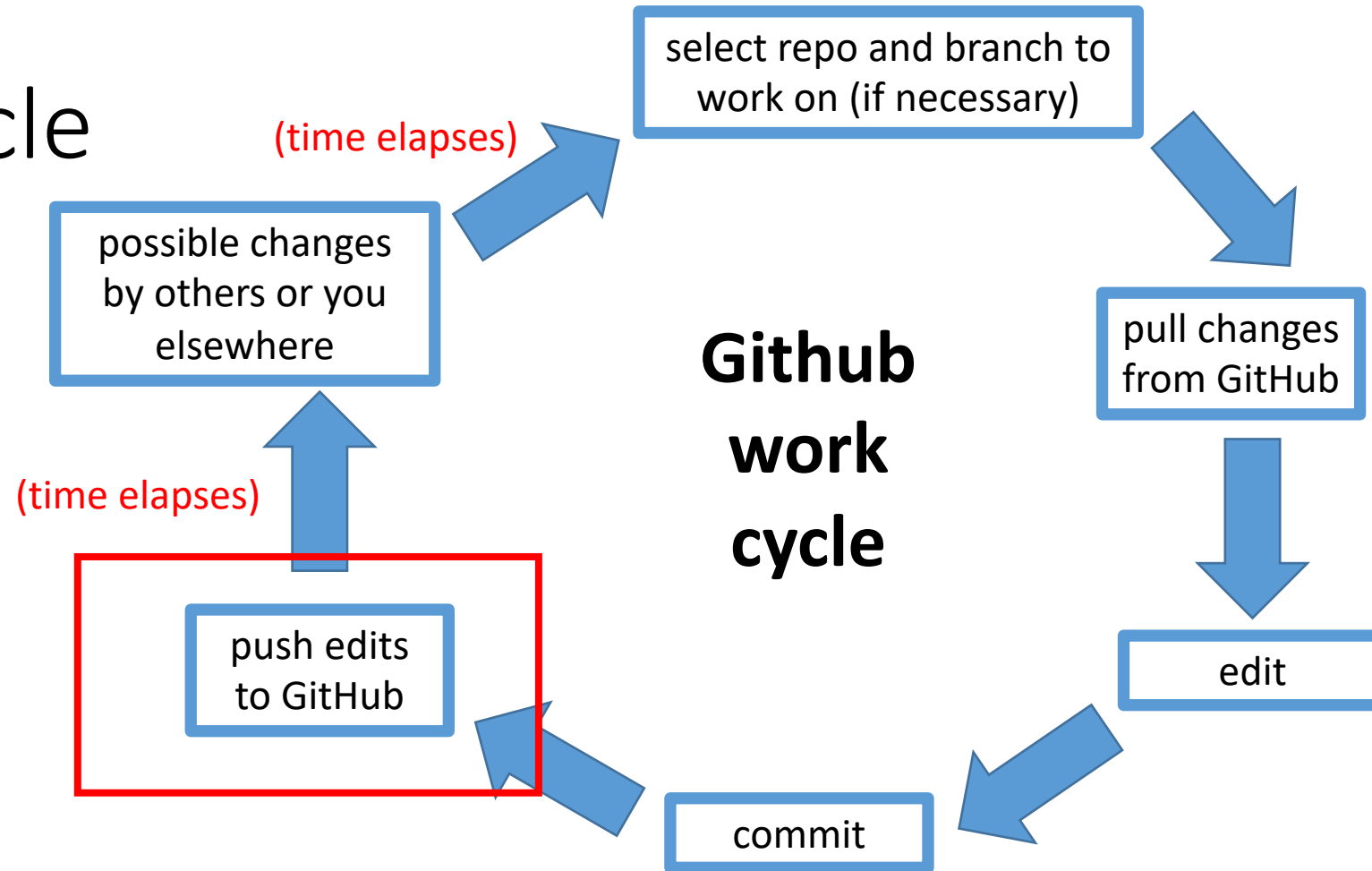
# Ending your work session

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