

Commits and work cycle

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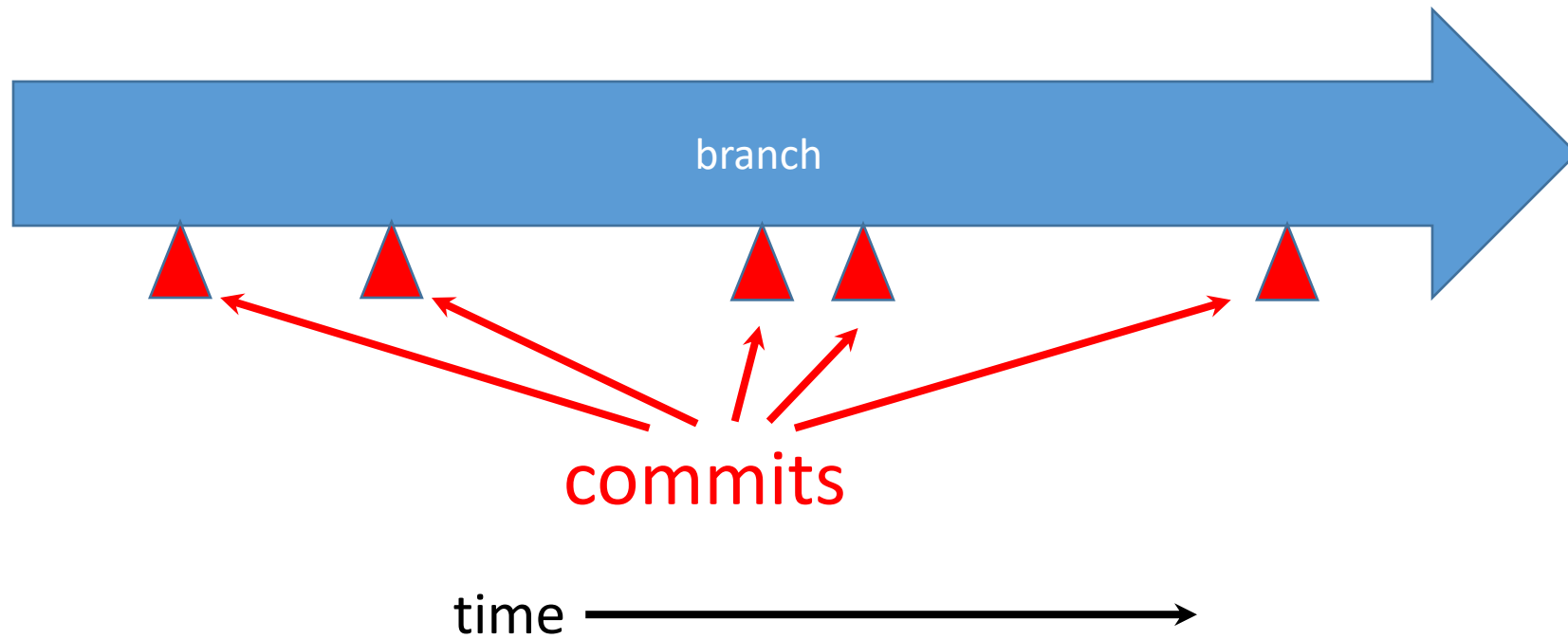
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LIBRARIES

CodeGraf landing page

- vanderbi.it/codegraf

What is a commit?

Branches and commits



Markdown markup syntax

Markdown basics (GitHub flavored Md)

- headings
 - # level 1
 - ## level 2
 - ### level 3
- text enhancements
 - *italics**
 - **bold****
 - ``inline code``
- unordered bulleted list
 - item 1
 - item 2
 - item 3

GitHub flavored Markdown (cont.)

- line breaks

`line 1`

`line 2`

- hyperlink

`[link text](url)`

- table

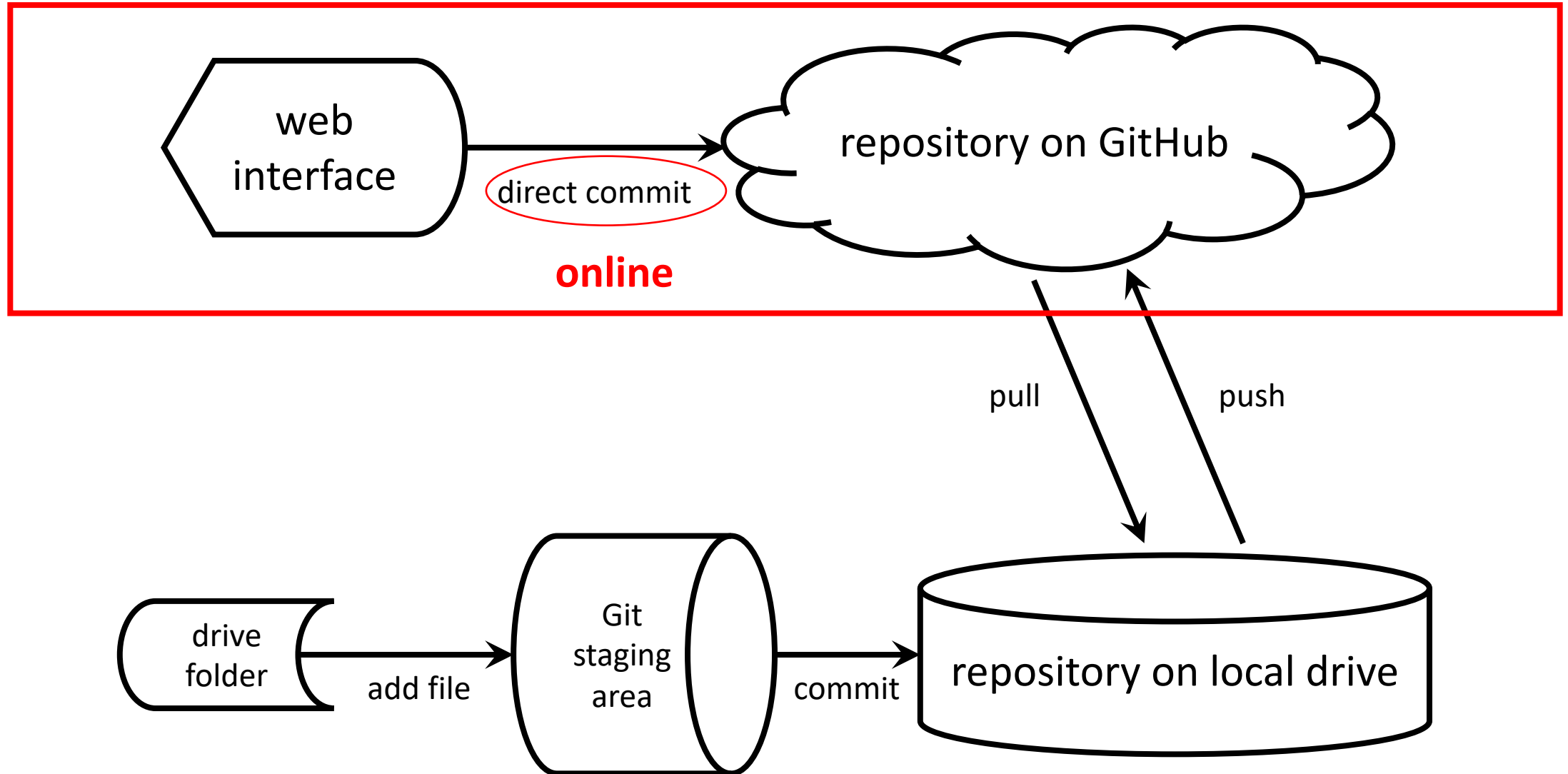
```
| header1 | header2 |
| --- | --- |
| row1cell1 | row1cell2 |
| row2cell1 | row2cell2 |
```

Committing online



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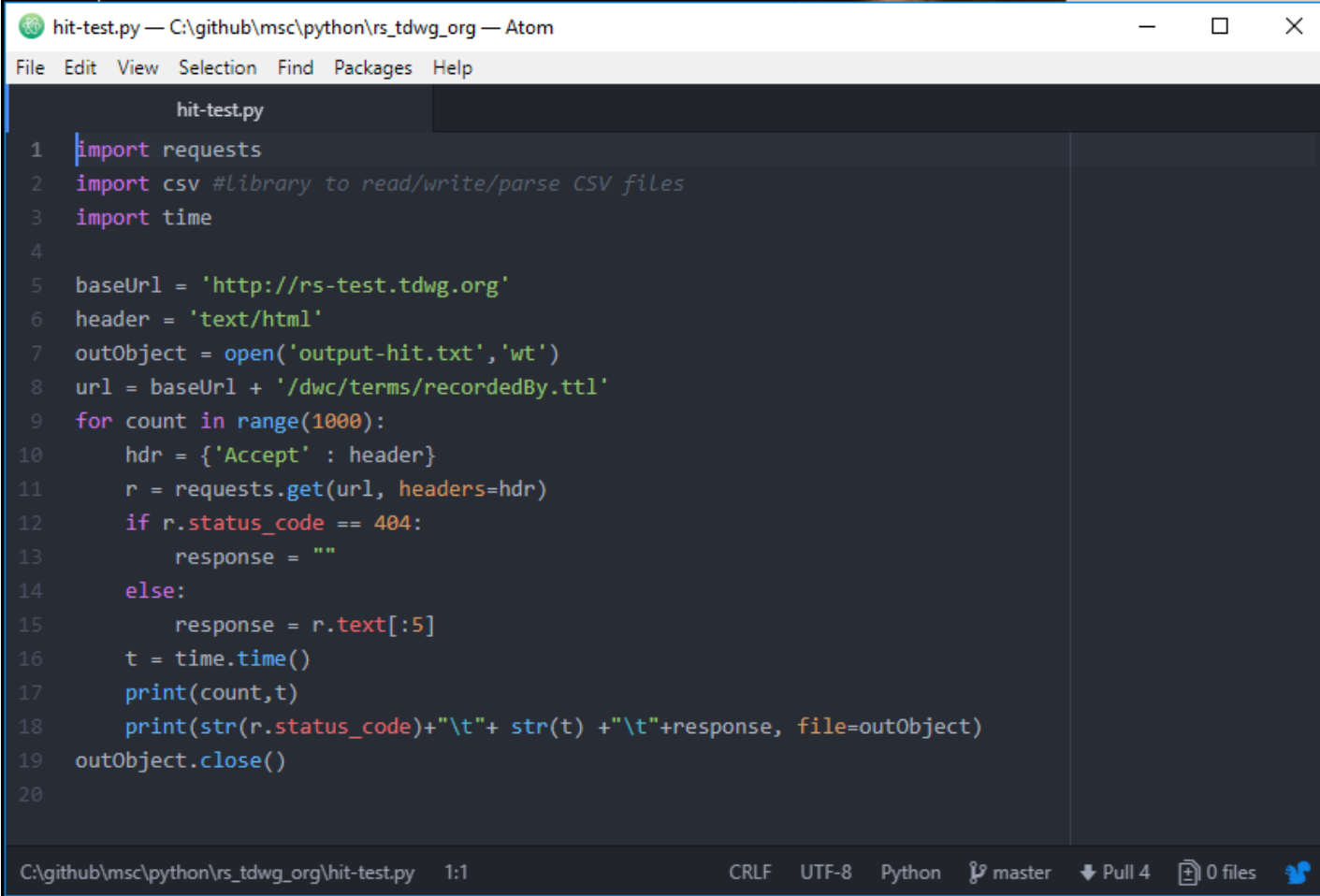
The World of Git and GitHub



Code editors

Code editors

- code editors do not add nasty "invisible" characters to documents (as does Microsoft Word)
- full-featured code editors provide automatic formatting and syntax highlighting based on the type of document you are editing



```
hit-test.py — C:\github\msc\python\rs_tdwg_org — Atom
File Edit View Selection Find Packages Help

hit-test.py
1 import requests
2 import csv #library to read/write/parse CSV files
3 import time
4
5 baseUrl = 'http://rs-test.tdwg.org'
6 header = 'text/html'
7 outObject = open('output-hit.txt','wt')
8 url = baseUrl + '/dwc/terms/recordedBy.ttl'
9 for count in range(1000):
10     hdr = {'Accept' : header}
11     r = requests.get(url, headers=hdr)
12     if r.status_code == 404:
13         response = ""
14     else:
15         response = r.text[:5]
16     t = time.time()
17     print(count,t)
18     print(str(r.status_code)+"\t"+ str(t) +"\t"+response, file=outObject)
19 outObject.close()
20

C:\github\msc\python\rs_tdwg_org\hit-test.py 1:1 CRLF UTF-8 Python master Pull 4 0 files
```

Recommended code editors

- Atom

- Created by the GitHub team, so can interact in special ways with GitHub
- Has an easy-to-use Markdown preview so that you can see how your markup will look
- Has cuter emblems!
- <https://atom.io/>

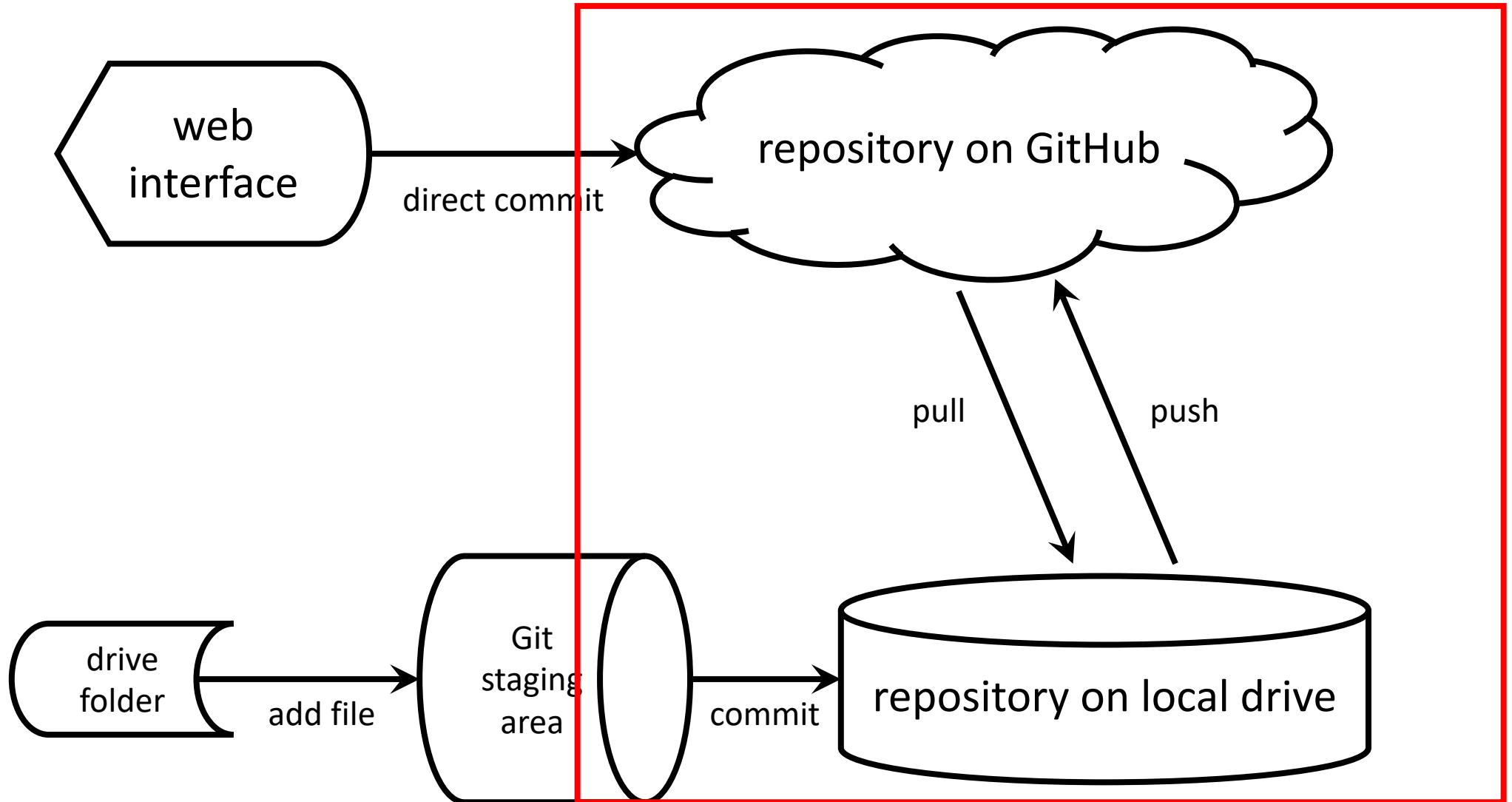


- VS Code

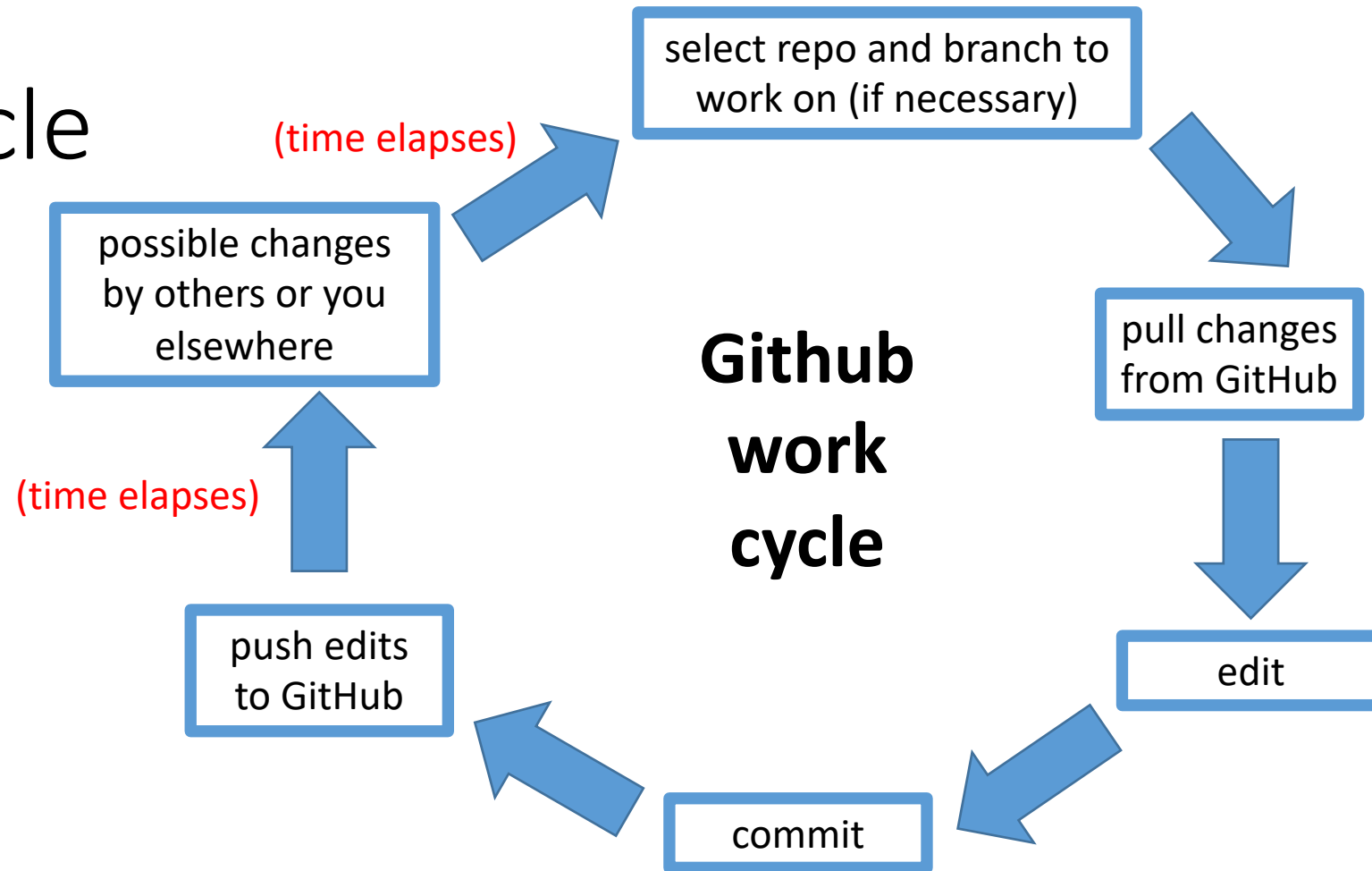
- Very full featured and has powerful tools for debugging some coding languages
- <https://code.visualstudio.com/>

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