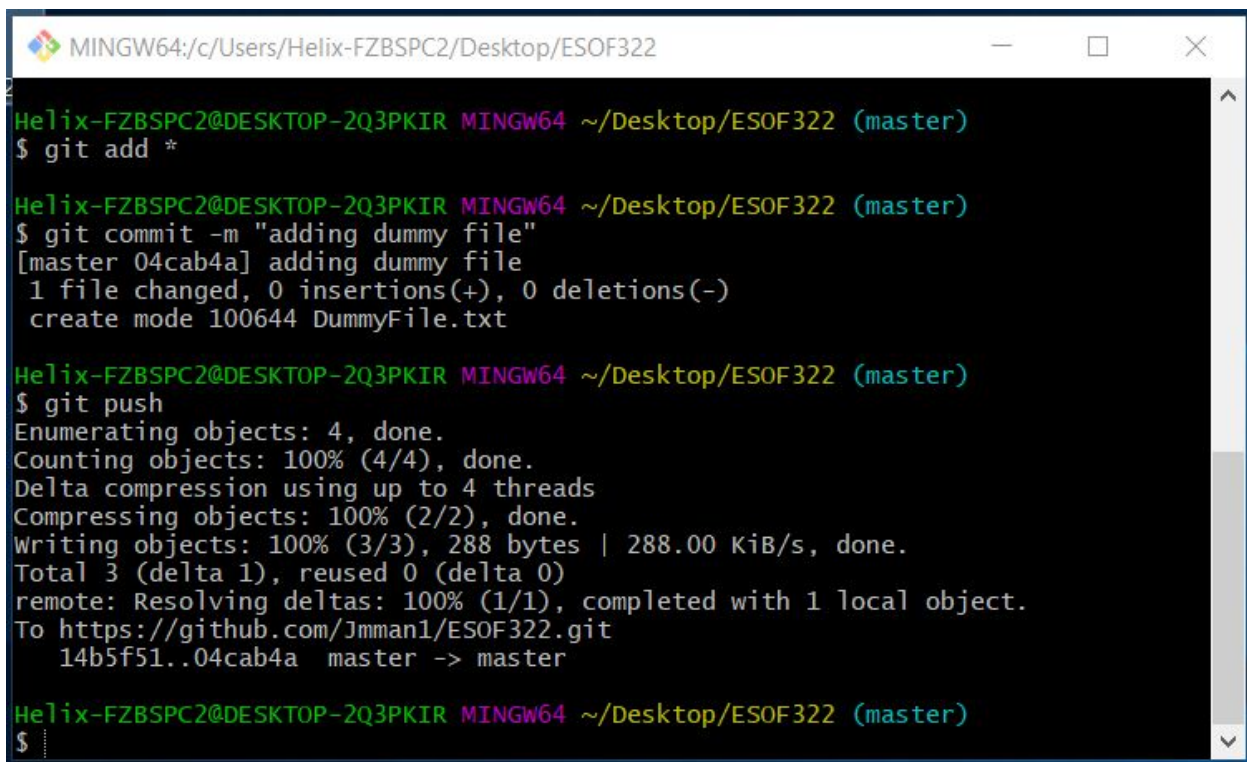


1.
  - a.
    - i. The system downloaded was Code 2 UML  
<https://sourceforge.net/p/code2uml/code/HEAD/tarball?path=/Code%20%20UML/src/net/sourceforge/code2uml/graph>
    - ii. A program to try and create a UML structure based on Java files
    - iii. Source: 1325 Comments: 1876 Total: 3575 Type: java calculated using ATOM ide plugin line-count  
<https://atom.io/packages/line-count#targetText=Press%20ctrl%2Dalt%2Dshift%2D,all%20files%20in%20the%20project.>
  - b.
    - i. Found 5 files that possibly contain design patterns.  
C:\Users\Helix-FZBSPC2\Desktop\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\NodeComponentFactory.java  
Possible patterns: Factory  
  
C:\Users\Helix-FZBSPC2\Desktop\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\NodeComponentFactoryImpl.java  
Possible patterns: Factory  
  
C:\Users\Helix-FZBSPC2\Desktop\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\layouts\ConnectedComponentFactory.java  
Possible patterns: Factory  
  
C:\Users\Helix-FZBSPC2\Desktop\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\layouts\GraphLayoutFactory.java  
Possible patterns: Factory  
  
C:\Users\Helix-FZBSPC2\Desktop\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\code2uml-code-r41-Code 2  
UML-src-net-sourceforge-code2uml-graph\layouts\GraphLayoutFactoryImpl.java  
Possible patterns: Factory

- ii. This tool looks for instances of design patterns by checking for class structures that fit design patterns. For this program, Factory patterns were found due to the interface class structure with the implementation of an interface created by an overarching factory class to create it.
  - iii. I think the process of this tool is a correct way to find potential design structures in a quick amount of time and wouldn't do it a different way. If I had to make any changes I would make updates to show additional info so the user can understand why that class matched said design pattern.
- 2.
- a. To upload these files I did the following
    - i. Create a repository on Github.com
    - ii. Initialize the repository on creation with a readme file
    - iii. Cloned the repository to my desktop using git clone <https://github.com/Jmman1/ESOF322.git> with git bash
    - iv. Added previous HW assignments to the folder generated on my desktop
    - v. Navigated git bash to the new folder location
    - vi. Ran the following commands
      - 1. Git add \*
      - 2. Git commit -m "initial message"
      - 3. Git push
  - b.
    - i. Ran the following commands
      - 1. Git add \*
      - 2. Git commit -m "adding dummy file"
      - 3. Git push



```
MINGW64:/c/Users/Helix-FZBSPC2/Desktop/ESOF322

Helix-FZBSPC2@DESKTOP-2Q3PKIR MINGW64 ~/Desktop/ESOF322 (master)
$ git add *

Helix-FZBSPC2@DESKTOP-2Q3PKIR MINGW64 ~/Desktop/ESOF322 (master)
$ git commit -m "adding dummy file"
[master 04cab4a] adding dummy file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 DummyFile.txt

Helix-FZBSPC2@DESKTOP-2Q3PKIR MINGW64 ~/Desktop/ESOF322 (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 288 bytes | 288.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Jmman1/ESOF322.git
14b5f51..04cab4a master -> master

Helix-FZBSPC2@DESKTOP-2Q3PKIR MINGW64 ~/Desktop/ESOF322 (master)
$
```

## Jonah Gilbertson and Grant Baker

3 commits

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

Jonah Gilbertson adding dummy file

Latest commit 04cab4a 1 minute ago

DummyFile.txt	adding dummy file	1 minute ago
ESOF-HW1.docx	initial commit	5 minutes ago
ESOF-HW2-Code.zip	initial commit	5 minutes ago
ESOF-HW2.pdf	initial commit	5 minutes ago
ESOF-HW3.pdf	initial commit	5 minutes ago
README.md	Initial commit	11 minutes ago

README.md

# ESOF322

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A repository of