

gitHound System

This is a system that allows you to find all of the git repositories in a directory that you specify. gitHound will can tell you a quick summary of all the repositories in that directory or can give you a summary of each individual repository in the directory. Another feature gitHound has is it allows you to expand the status of any one of the directories you specify.

How to get

Clone our repository by running this command:

```
git clone https://github.com/ginozab/gitHound.git
```

This will then give you full access to our code.

How to use

Running our system is pretty simple. It needs two arguments:

Argument 1: “Path/to/the/directory” (Relative to the current working directory)

Argument 2: “quick” or “full”

Specifying “quick” will give you the quick summary statistics of all the git repositories inside of the specified directory. By specifying “full”, it will give you a more detailed summary of every git repository inside of the specified directory, this also gives you the option to expand the status of a given git repository.

Example input

```
javac gitHound.java
java gitHound /path/to/directory quick
```

or

```
javac gitHound.java
java gitHound /path/to/directory full
```

Expand Feature

The expand feature allows you to see exact details of a specified git repository. This feature is only accessible while running a full summary not a quick summary. After running the full summary it will ask you if you want to see an expanded status, and then prompt you to enter “yes” or “no”.

Would you like to expand the status information of a repo above?

Enter: (yes/no)

yes

If yes, it will then prompt you to enter a working directory.

Copy and paste a repo from above you would like to expand the status of:
path/of/desired/expansion/repo

Please choose from one of the git repositories it showed in the full summary, do so by just copying and pasting a given directory.

If no, it will terminate the program.

Video Example

```
→ src git:(master) javac gitHound.java
→ src git:(master) x java gitHound ../../lab4 quick

Thank you for choosing gitHound!
Here is a quick summary of all the git repos in your specified directory:

*****
Running...

Number of clean git repositories: 1
Number of git repositories ahead of origin: 0
Number of git repositories with untracked files: 1
Number of git repositories with modified files: 0
Number of git repositories with staged but not committed files: 0
Number of git repositories with deleted files not committed: 1
*****

Number of total git repositories found in specified directory: 2
*****

→ src git:(master) x java gitHound ../../lab4 full
```

Thank you for choosing gitHound!