

Design for Gitlet

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0 Overview

0.1 List of commands

- ☒ **init**
- ☐ **add**
- ☐ **commit**
- ☐ **rm**
- ☐ **log**
- ☐ **global-log**
- ☐ **find**
- ☐ **status**
- ☐ **checkout**
- ☐ **branch**
- ☐ **rm-branch**
- ☐ **reset**
- ☐ **merge**
- ☐ **rebase**

0.2 Attention

- Always exit with **exit code 0**
- **.gitlet** contains all old files and meta files
- General **failure cases**:
 - doesn't input any arguments-----Please enter a command.
 - inputs a command that doesn't exist-----No command with that name exists.
 - inputs a command with the wrong number or format of operands-----Incorrect operands.
 - inputs a command not in such a directory-----Not in an initialized Gitlet directory.

1 Classes and Data Structures

1.1 Commit

- String timestamp
- String message
- T[] blobs
- Commit pa1
- Commit pa2

1.2 Branch

2 Algorithms

2.1 The second level

2.1.1 The third level

Installation If the document class *elsarticle* is not available on your computer, you can download and install the system package *texlive-publishers* (Linux) or install the L^AT_EX package *elsarticle* using the package manager of your T_EX installation, which is typically T_EX Live or MikT_EX.

3 Persistence

3.1 The second level

3.1.1 The third level

Installation If the document class