

Git Challenge 3 Task 2 Manage Git Pull Requests

Max want to push some new changes to one of the repositories but we don't want people to push directly to master branch, since that would be the final version of the code. It should always only have content that has been reviewed and approved. We cannot just allow everyone to directly push to the master branch. So, let's do it the right way as discussed below:

SSH into storage server using user max , password Max_pass123 . There you can find an already cloned repo under Max user's home.

Max has written his story about The 🐕 Fox and Grapes 🍇

Max has already pushed his story to remote git repository hosted on Gitea branch story/fox-and-grapes

Check the contents of the cloned repository. Confirm that you can see Sarah's story and history of commits by running git log and validate author info, commit message etc.

Max has pushed his story, but his story is still not in the master branch. Let's create a Pull Request(PR) to merge Max's story/fox-and-grapes branch into the master branch

Click on the Gitea UI button on the top bar. You should be able to access the Gitea page.

UI login info:

- Username: max

- Password: Max_pass123

PR title : Added fox-and-grapes story

PR pull from branch: story/fox-and-grapes (source)

PR merge into branch: master (destination)

Before we can add our story to the master branch, it has to be reviewed. So, let's ask tom to review our PR by assigning him as a reviewer

Add tom as reviewer through the Git Portal UI

- Go to the newly created PR
- Click on Reviewers on the right

- Add tom as a reviewer to the PR

Now let's review and approve the PR as user `Tom`

Login to the portal with the user `tom`

Logout of `Git Portal UI` if logged in as `max`

UI login info:

- Username: `tom`
- Password: `Tom_pass123`

PR title : `Added fox-and-grapes story`

Review and merge it.

Great stuff!! The story has been merged! 🎉

Note: For these kind of scenarios requiring changes to be done in a web UI, please take screenshots so that you can share it with us for review in case your task is marked incomplete. You may also consider using a screen recording software such as loom.com to record and share your work.

Solution:

```
thor@jump_host ~$ ssh max@ststor01
The authenticity of host 'ststor01 (172.16.238.15)' can't be established.
ECDSA key fingerprint is SHA256:0z85j/k+4Nf8WKbHJzxo1AOv4FeRA8LPET2N3BEkYyo.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ststor01,172.16.238.15' (ECDSA) to the list of known hosts.
max@ststor01's password:
Welcome to xFusionCorp Storage server.
max $ ls -l
total 4
drwxr-sr-x  3 max    max      4096 Apr  7 15:48 story-blog
max $ cd story-blog/
max (story/fox-and-grapes)$ git status
On branch story/fox-and-grapes
Your branch is up-to-date with 'origin/story/fox-and-grapes'.
nothing to commit, working directory clean
max (story/fox-and-grapes)$ git log
```

```
commit 5b3f574af97ee86790dda6af2f6cc4cb810368da
Author: max <max@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:14 2024 +0000
Author: max <max@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:14 2024 +0000
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commit 5b3f574af97ee86790dda6af2f6cc4cb810368da
Author: max <max@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:14 2024 +0000
```

Added fox-and-grapes story

```
commit b8dbc4ff38519225b209c6a552660c89432e2a8e
Merge: 97ae3bd 106052c
Author: sarah <sarah@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:13 2024 +0000
```

Merge branch 'story/frogs-and-ox'

```
commit 97ae3bde48eb87c55dd4d3e72f279743de9f1f9f
Author: sarah <sarah@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:13 2024 +0000
```

Fix typo in story title

```
commit 106052c67ab4314d7138b9e9775b7a39107f32df
Author: sarah <sarah@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:13 2024 +0000
```

Completed frogs-and-ox story

```
commit f178a4151d8f23a1190da11a56bae02fb6504dd7
Author: sarah <sarah@stratos.xfusioncorp.com>
Date: Sun Apr 7 15:48:13 2024 +0000
```

Added the lion and mouse story

```
commit bef3010ccca2ab042cb0a199f58ab661a62fdbbe6
Author: sarah <sarah@stratos.xfusioncorp.com>
...skipping...
```

SUMMARY OF LESS COMMANDS

Commands marked with * may be preceded by a number, N.
Notes in parentheses indicate the behavior if N is given.

A key preceded by a caret indicates the Ctrl key; thus ^K is ctrl-K.

h H Display this help.

q :q Q ZZ Exit.

MOVING

e ^E j ^N CR * Forward one line (or N lines).

y ^Y k ^K ^P * Backward one line (or N lines).

f ^F ^V SPACE * Forward one window (or N lines).

b ^B ESC-v * Backward one window (or N lines).

z * Forward one window (and set window to N).

w * Backward one window (and set window to N).

ESC-SPACE * Forward one window, but don't stop at end-of-file.

d ^D * Forward one half-window (and set half-window to N).

u ^U * Backward one half-window (and set half-window to N).

ESC-) RightArrow * Left one half screen width (or N positions).

ESC-(LeftArrow * Right one half screen width (or N positions).

F Forward forever; like "tail -f".

ESC-F Like F but stop when search pattern is found.

r ^R ^L Repaint screen.

R Repaint screen, discarding buffered input.

Default "window" is the screen height.

Default "half-window" is half of the screen height.

SEARCHING

/pattern * Search forward for (N-th) matching line.

?pattern * Search backward for (N-th) matching line.

n * Repeat previous search (for N-th occurrence).

N * Repeat previous search in reverse direction.

ESC-n * Repeat previous search, spanning files.

ESC-N * Repeat previous search, reverse dir. & spanning files.

ESC-u Undo (toggle) search highlighting.

&pattern * Display only matching lines

A search pattern may be preceded by one or more of:

^N or ! Search for NON-matching lines.

^E or * Search multiple files (pass thru END OF FILE).

^F or @ Start search at FIRST file (for /) or last file (for ?).

^K Highlight matches, but don't move (KEEP position).

^R Don't use REGULAR EXPRESSIONS.

JUMPING

```
g < ESC-< * Go to first line in file (or line N).
G > ESC-> * Go to last line in file (or line N).
p % * Go to beginning of file (or N percent into file).
t * Go to the (N-th) next tag.
T * Go to the (N-th) previous tag.
{ ( [ * Find close bracket } ) ].
} ) ] * Find open bracket { ( [ .
ESC-^F <c1><c2> * Find close bracket <c2>.
ESC-^B <c1><c2> * Find open bracket <c1>
```

Each "find close bracket" command goes forward to the close bracket matching the (N-th) open bracket in the top line.

Each "find open bracket" command goes backward to the open bracket matching the (N-th) close bracket in the bottom line.

```
m<letter> Mark the current position with <letter>.
'<letter> Go to a previously marked position.
" Go to the previous position.
^X^X Same as '.
```

A mark is any upper-case or lower-case letter.

Certain marks are predefined:

^ means beginning of the file
\$ means end of the file

CHANGING FILES

```
:e [file] Examine a new file.
^X^V Same as :e.
:n * Examine the (N-th) next file from the command line.
:p * Examine the (N-th) previous file from the command line.
:x * Examine the first (or N-th) file from the command line.
:d Delete the current file from the command line list.
= ^G :f Print current file name.
```

MISCELLANEOUS COMMANDS

```
-<flag> Toggle a command line option [see OPTIONS below].
--<name> Toggle a command line option, by name.
_<flag> Display the setting of a command line option.
__<name> Display the setting of an option, by name.
+cmd Execute the less cmd each time a new file is examined.

!command Execute the shell command with $SHELL.
|Xcommand Pipe file between current pos & mark X to shell command.
```

v	Edit the current file with \$VISUAL or \$EDITOR.
V	Print version number of "less".

OPTIONS

Most options may be changed either on the command line, or from within less by using the - or -- command.

Options may be given in one of two forms: either a single character preceded by a -, or a name preceded by --.

- ? --help
Display help (from command line).
- a --search-skip-screen
Search skips current screen.
- A --SEARCH-SKIP-SCREEN
Search starts just after target line.
- b [N] --buffers=[N]
Number of buffers.

HELP -- Press RETURN for more, or q when done...skipping...

commit 5b3f574af97ee86790ddaa6af2f6cc4cb810368da

Author: max <max@stratos.xfusioncorp.com>

Date: Sun Apr 7 15:48:14 2024 +0000

Added fox-and-grapes story

commit b8dbc4ff38519225b209c6a552660c89432e2a8e

Merge: 97ae3bd 106052c

Author: sarah <sarah@stratos.xfusioncorp.com>

Date: Sun Apr 7 15:48:13 2024 +0000

Merge branch 'story/frogs-and-ox'

commit 97ae3bde48eb87c55dd4d3e72f279743de9f1f9f

Author: sarah <sarah@stratos.xfusioncorp.com>

Date: Sun Apr 7 15:48:13 2024 +0000

Fix typo in story title

commit 106052c67ab4314d7138b9e9775b7a39107f32df

Author: sarah <sarah@stratos.xfusioncorp.com>

Date: Sun Apr 7 15:48:13 2024 +0000

Completed frogs-and-ox story

commit f178a4151d8f23a1190da11a56bae02fb6504dd7

Author: sarah <sarah@stratos.xfusioncorp.com>

Date: Sun Apr 7 15:48:13 2024 +0000

Added the lion and mouse story

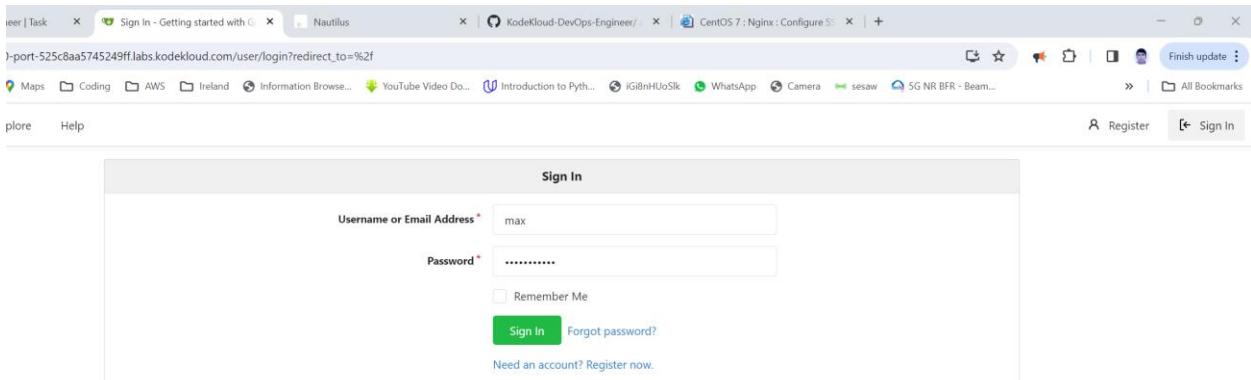
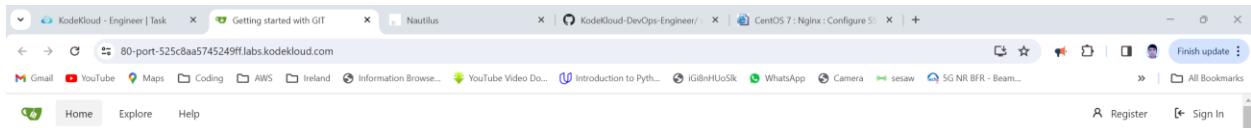
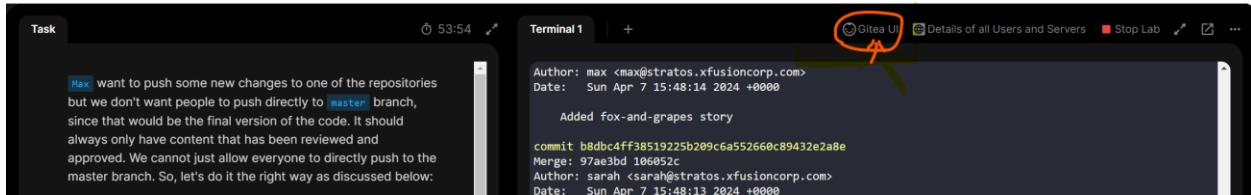
commit bef3010ccca2ab042cb0a199f58ab661a62fdbbe6

Author: sarah <sarah@stratos.xfusioncorp.com>

max (story/fox-and-grapes)\$ ^C

max (story/fox-and-grapes)\$

Now Click on Gitea UI



80-port-525c8aa5745249ff.labs.kodekloud.com

YouTube Maps Coding AWS Ireland Information Browse... YouTube Video Do... Introduction to Python iGiBnHuoSik WhatsApp Camera sesaw 5G NR BFR - Beam... Finish update

board Issues Pull Requests Milestones Explore

1 total contributions in the last 12 months

May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr

Mon Wed Fri

Less More

max pushed to story/fox-and-grapes at sarah/story-blog
5b3f574af9 Added fox-and-grapes story
7 minutes ago

Repository Organization

Repositories +

Find a repository... All Sources Forks Mirrors Collaborative

sarah/story-blog

↑

80-port-525c8aa5745249ff.labs.kodekloud.com/sarah/story-blog

YouTube Maps Coding AWS Ireland Information Browse... YouTube Video Do... Introduction to Python iGiBnHuoSik WhatsApp Camera sesaw 5G NR BFR - Beam... Finish update

shboard Issues Pull Requests Milestones Explore

sarah / story-blog

Code Issues Pull Requests Releases Wiki Activity

story blog

5 Commits 2 Branches 21 kB

New Pull Request

Branch: master

node: b8dbc4ff38 Merge branch 'story/frogs-and-ox'

frogs-and-ox.txt Completed frogs-and-ox story 8 minutes ago

lion-and-mouse.txt Fix typo in story title 8 minutes ago

Pull Requests Milestones Explore

sarah / story-blog

Code Issues Pull Requests Releases Wiki Activity

New Pull Request

Select the branch to merge into and the branch to pull from.

merge into: sarah:master ... pull from: sarah:master

These branches are equal. There is no need to merge.

Filter branch...

sarah:master
sarah:story/fox-and-grapes

Requests Milestones Explore

sarah / story-blog

Code Issues Pull Requests Releases Wiki Activity

New Pull Request

Select the branch to merge into and the branch to pull from.

merge into: sarahmaster pull from: sarahstory/fox-and-grapes

New Pull Request

1 Commits

Author	SHA1	Message	Date
max	5b3f574af9	Added fox-and-grapes story	9 minutes ago

± 1 changed files with 21 additions and 0 deletions

+ 21 - 0 fox-and-grapes.txt

```
diff --git a/fox-and-grapes.txt b/fox-and-grapes.txt
index 0..8 +1,21 @@
1+ -----
2+ THE FOX AND GRAPES
3+ -----
4+
5+ A Fox one day spied a beautiful bunch of ripe grapes hanging from a vine trained along the branches of a tree.
6+
7+ The grapes seemed ready to burst with juice, and the Fox's mouth watered as he gazed longingly at them.
8+
9+ The bunch hung from a high branch, and the Fox had to jump for it.
10+
11+ The first time he jumped he missed it by a long way.
12+
13+ So he walked off a short distance and took a running leap at it, only to fall short once more.
14+
15+ Again and again he tried, but in vain.
```

Requests Milestones Explore

sarah / story-blog

Code Issues Pull Requests Releases Wiki Activity

New Pull Request

Select the branch to merge into and the branch to pull from.

merge into: sarahmaster pull from: sarahstory/fox-and-grapes

New Pull Request

1 Commits

Author	SHA1	Message	Date
max	5b3f574af9	Added fox-and-grapes story	9 minutes ago

± 1 changed files with 21 additions and 0 deletions

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```
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10+
11+ The first time he jumped he missed it by a long way.
12+
13+ So he walked off a short distance and took a running leap at it, only to fall short once more.
14+
15+ Again and again he tried, but in vain.
```

sarah / story-blog

Watch 1 Star 0 Fork 0

Code Issues 0 Pull Requests 0 Releases 0 Wiki Activity

New Pull Request

Select the branch to merge into and the branch to pull from.

merge into: sarah:master ... pull from: sarah:story/fox-and-grapes

 Added fox-and-grapes story

Start the title with **WIP:** to prevent the pull request from being merged accidentally.

Write Preview

B I H₁ H₂ H₃ H₄ H₅ H₆ H₇ H₈ H₉ H₁₀ H₁₁ H₁₂ H₁₃ H₁₄ H₁₅ H₁₆ H₁₇ H₁₈ H₁₉ H₂₀ H₂₁ H₂₂ H₂₃ H₂₄ H₂₅ H₂₆ H₂₇ H₂₈ H₂₉ H₃₀ H₃₁ H₃₂ H₃₃ H₃₄ H₃₅ H₃₆ H₃₇ H₃₈ H₃₉ H₄₀ H₄₁ H₄₂ H₄₃ H₄₄ H₄₅ H₄₆ H₄₇ H₄₈ H₄₉ H₅₀ H₅₁ H₅₂ H₅₃ H₅₄ H₅₅ H₅₆ H₅₇ H₅₈ H₅₉ H₆₀ H₆₁ H₆₂ H₆₃ H₆₄ H₆₅ H₆₆ H₆₇ H₆₈ H₆₉ H₇₀ H₇₁ H₇₂ H₇₃ H₇₄ H₇₅ H₇₆ H₇₇ H₇₈ H₇₉ H₈₀ H₈₁ H₈₂ H₈₃ H₈₄ H₈₅ H₈₆ H₈₇ H₈₈ H₈₉ H₉₀ H₉₁ H₉₂ H₉₃ H₉₄ H₉₅ H₉₆ H₉₇ H₉₈ H₉₉ H₁₀₀

Labels No Label

Milestone No Milestone

Assignees No Assignees

Drop files or click here to upload.

Create Pull Request

sarah / story-blog

Code Issues 0 Pull Requests 1 Releases 0 Wiki Activity

Watch 1 Star 0 Fork 0

Labels Milestones

New Pull Request

#1 Added fox-and-grapes story

Open max wants to merge 1 commits from [story/fox-and-grapes](#) into [master](#)

Conversation 0

-o Commits 1 ± Files Changed 1



max commented now

There is no content yet.

max added 1 commit now

-o Added fox-and-grapes story

5b3f574af9



✓ This pull request can be merged automatically.

🔒 There is no key available to sign this commit

Merge Pull Request



Write Preview

Reviewers

Request review

Filter Reviewer



sarah



tom



Assignees

No Assignees

Participants



Notifications

Unsubscribe

sarah / story-blog

Code Issues 0 Pull Requests 1 Releases 0 Wiki Activity

Watch 1 Star 0 Fork 0

Labels Milestones

New Pull Request

#1 Added fox-and-grapes story

Open max wants to merge 1 commits from [story/fox-and-grapes](#) into [master](#)

Conversation 0

-o Commits 1 ± Files Changed 1



max commented 1 minute ago

There is no content yet.

max added 1 commit 1 minute ago

-o Added fox-and-grapes story

5b3f574af9

max requested review from tom 1 second ago

Reviewers

tom was requested for review 1 second ago

Reviewers



tom

Labels

No Label

Milestone

No Milestone

Assignees

No Assignees

Participants



Notifications

Unsubscribe

Time Tracker

Signed in as max

Profile Starred Settings Help Sign Out

Now Sign in as tom

80-port-525c8aa5745249ff.labs.kodekloud.com/user/login?redirect_to=%2f

YouTube Maps Coding AWS Ireland Information Browse... YouTube Video Do... Introduction to Python iGIBnHUoSlk WhatsApp Camera sesaw 5G NR BFR - Beam... All Bookmarks Register Sign In

Sign In

Username or Email Address* tom

Password* Remember Me

[Forgot password?](#)

[Need an account? Register now.](#)

80-port-525c8aa5745249ff.labs.kodekloud.com

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Dashboard Issues Pull Requests Milestones Explore

Notifications (1)

0 total contributions in the last 12 months

Repository Organization

Repositories +

Find a repository... sarah/story-blog

All Sources Forks Mirrors Collaborative

80-port-525c8aa5745249ff.labs.kodekloud.com/notifications

Maps Coding AWS Ireland Information Browse... YouTube Video Do... Introduction to Python iGIBnHUoSlk WhatsApp Camera sesaw 5G NR BFR - Beam... All Bookmarks

Issues Pull Requests Milestones Explore

Notifications

Unread 1 Read

#1 - Added fox-and-grapes story sarah/story-blog

Screenshot of a GitHub repository page for 'sarah / story-blog'. The 'Pull Requests' tab is selected, highlighted with a red circle. The page shows a list of pull requests, with one recent addition circled in red.

The pull request details for '#1 Added fox-and-grapes story' are shown. The 'Merge Pull Request' button at the bottom is also circled in red.

Annotations:

- A red circle highlights the 'Pull Requests' tab in the top navigation bar.
- A red arrow points to the 'New Pull Request' button in the top right of the main content area.
- A red circle highlights the 'Merge Pull Request' button at the bottom of the pull request details page.

There is no content yet.

max added 1 commit 7 minutes ago

Added fox-and-grapes story 5b3f574af9

max requested review from tom 6 minutes ago

Reviewers

tom was requested for review 6 minutes ago

This pull request can be merged automatically.

There is no key available to sign this commit

Merge pull request 'Added fox-and-grapes story' (#1) from story/fox-and-grapes into master

Reviewed-on: http://git.stratos.xfusioncorp.com/sarah/story-blog/pulls/1

Merge Pull Request Cancel

Due Date

No due date set.

mm/dd/yyyy +

Dependencies

This pull request currently doesn't have any dependencies.

Add dependency... +

#1 Added fox-and-grapes story

Merged tom merged 1 commits from story/fox-and-grapes into master now

Conversation 0 -> Commits 1 ± Files Changed 1

max commented 8 minutes ago

There is no content yet.

max added 1 commit 8 minutes ago

Added fox-and-grapes story 5b3f574af9

max requested review from tom 7 minutes ago

tom referenced this issue from a commit now

Merge pull request 'Added fox-and-grapes story' (#1) from story/fox-and-grapes into master

tom merged commit 793c76fb1c into master now

Reviewers

tom was requested for review 7 minutes ago

The pull request has been merged as 793c76fb1c.

Delete Branch 'story/fox-and-grapes'

Labels

No Label

Milestone

No Milestone

Assignees

No Assignees

1 Participants

tom

Notifications

Subscribe

Time Tracker

Start Add Time

Due Date

No due date set.

1 Requests Milestones Explore

sarah / story-blog

< Code Issues Pull Requests Releases Wiki Activity

Labels Milestones New Pull Request

#1 Added fox-and-grapes story

Merged tom merged 1 commits from story/fox-and-grapes into master 49 seconds ago

Conversation 0 Commits 1 Files Changed 1

1 Commits

Author	SHA1	Message	Date
max	5b3f574af9	Added fox-and-grapes story	25 minutes ago

Pull Requests Milestones Explore

sarah / story-blog

< Code Issues Pull Requests Releases Wiki Activity

story blog

7 Commits 2 Branches 22 kB

Branch: master	New Pull Request	HTTP SSH http://git.stratos.xfusioncorp.com/	Upload File	New File
tom 793c76fb1c	Merge pull request 'Added fox-and-grapes story' (#1) from story/fox-and-grapes into master	...		1 minute ago
fox-and-grapes.txt	Added fox-and-grapes story			25 minutes ago
frogs-and-ox.txt	Completed frogs-and-ox story			25 minutes ago
lion-and-mouse.txt	Fix typo in story title			25 minutes ago

Pull Requests Milestones Explore

sarah / story-blog

< Code Issues Pull Requests Releases Wiki Activity

7 Commits

2 Branches

22 kB

Branch: master Commit Graph

7 Commits (master)

Author	SHA1	Message	Date
tom	793c76fb1c	Merge pull request 'Added fox-and-grapes story' (#1) from stor...	2 minutes ago
max	5b3f574af9	Added fox-and-grapes story	26 minutes ago
sarah	b8dbc4fff38	Merge branch 'story/frogs-and-ox'	26 minutes ago
sarah	97ae3bd48	Fix typo in story title	26 minutes ago
sarah	106052c67a	Completed frogs-and-ox story	26 minutes ago
sarah	f178a4151d	Added the lion and mouse story	26 minutes ago
sarah	bef3010ccc	Add incomplete frogs-and-ox story	26 minutes ago

Task Finish