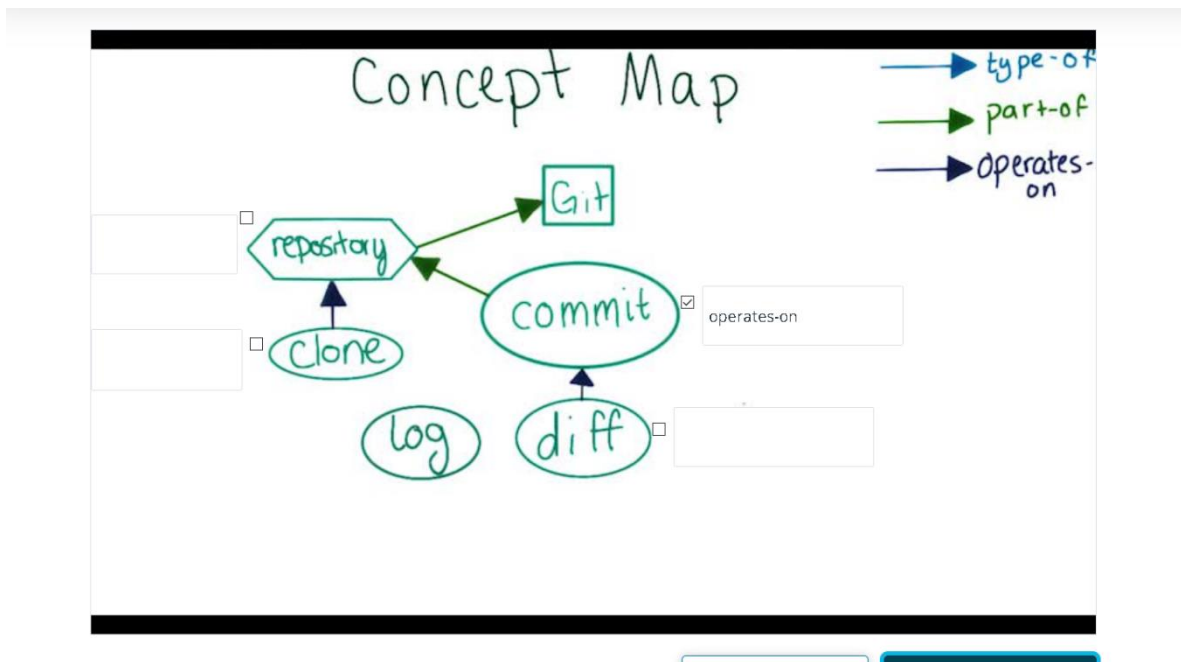


1)



3)

Clase 2:  
Problem Set 1

BUSCAR

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CONTENIDO

- ✓ 3. Old File Plus Diff
- ★ 4. Tracking Versions Using Git
- ★ 5. Git Command Review
- ★ 6. Behavior of git clone
- ★ 7. Behavior of git log
- ★ 8. Behavior of git diff
- ★ 9. Behavior of git checkout
- ★ 10. Cloning a New Repository
- ★ 11. Identifying a Bug

Old File Plus Diff
SEND FEEDBACK

Original File	Output of diff -u	Final File
A	---file.txt	<pre> A B \$ C # % E F </pre>
B	+++updated.txt	
C	+\$	
D	-D	
E	+#	
F	+%	
	E	

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7. Behavior of git log

8. Behavior of git diff

9. Behavior of git checkout

10. Cloning a New Repository

11. Identifying a Bug

12. Fixing the Bug

13. Identifying a Second Bug

Git Command Review

SEND FEEDBACK

### Git command review

For each action, type the name of the corresponding Git command.

- Compare two commits, printing each line that is present in one commit but not the other.
- Make a copy of an entire Git repository, including the history, onto your own computer.
- Temporarily reset all files in a repository to their state at the time of a specific commit.
- Show the commits made in a repository, starting with the most recent.

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10. Cloning a New Repository

Behavior of git log

SEND FEEDBACK

```
commit 7be5a12f1567866b0d77ccdf2055d1a33831da78
Date:   Fri Jul 11 12:56:26 2014 -0300

    Add sound for the wing.

commit 06d72e1f95f046002ec46f41cf71957227111141
Date:   Wed Jul 9 23:42:55 2014 -0300

    Add mute button.

commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e
Date:   Mon Jul 7 17:35:47 2014 -0300

    Fix leaderboard button
```

For this `git log` output, check all the commits you would expect to contain code for a mute button.

- ☒ commit `7be5a12f1567866b0d77ccdf2055d1a33831da78` (the top commit listed)
- ☒ commit `06d72e1f95f046002ec46f41cf71957227111141` (the middle commit listed)
- ☐ commit `3d4d45b246aad6a1cd0afaf7cfae26966110727e` (the bottom commit listed)

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6. Behavior of git clone

7. Behavior of git log

8. Behavior of git diff

9. Behavior of git checkout

10. Cloning a New Repository

11. Identifying a Bug

12. Fixing the Bug

13. Identifying a Second Bug

14. Fixing the Second Bug

Behavior of git diff

SEND FEEDBACK

commit 7be5a12f1567866b0d77ccdf2055d1a33831da78  
Date: Fri Jul 11 12:56:26 2014 -0300

Add sound for the wing.

commit 06d72e1f95f046002ec46f41cf7195722711141  
Date: Wed Jul 9 23:42:55 2014 -0300

Add mute button.

commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e  
Date: Mon Jul 7 17:35:47 2014 -0300

Fix leaderboard button

Select the command for which the mute button code lines would be shown as additions.

☐ git diff 7be5a1 06d72e

☐ git diff 06d72e 7be5a1

☐ git diff 06d72e 3d4d45

☒ git diff 3d4d45 06d72e

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Class 2:  
Problem Set 1

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✓ 6. Behavior of git clone

✓ 7. Behavior of git log

✓ 8. Behavior of git diff

✓ 9. Behavior of git checkout

★ 10. Cloning a New Repository

★ 11. Identifying a Bug

★ 12. Fixing the Bug

★ 13. Identifying a Second Bug

Behavior of git checkout

SEND FEEDBACK

Behavior of git checkout

Select when each statement would be true.

	Never true	Sometimes true	Always true
Checking out an earlier commit will change the state of at least one file.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Checking out an earlier commit will change the state of more than one file.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Checking out an earlier commit will change the state of every file in the repository.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
After checking out a commit, the state of all the files in the repository will be from the same point in time.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Student's guide unit 6 - Correo: Laura Sofia Le... Facebook - lufe08/equipoDinamita - How to Use Git and Git... (12) Tye Tribbett - We... Git Checkout | Adasian

https://classroom.udacity.com/courses/ud775/lessons/2369618657/concepts/23605487710323

Clase 3: Creating and Modifying a Reposit... Concept Map: init, add, staging area SEND FEEDBACK

BUSCAR RECURSOS CONTENIDO

6. Concept Map: init, add, stagin... 7. Reflect: Staging Area 8. Writing Good Commit Messag... 9. Committing Changes 10. git diff Revisited 11. Commit the Bug Fix 12. Reflect: Commit Size 13. Branches 14. Making a Branch

Concept Map

init staging area add status working directory

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Escribe aquí para buscar

9)

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Clase 3: Creating and Modifying a Reposit... git diff Revisited SEND FEEDBACK

BUSCAR RECURSOS CONTENIDO

10. git diff Revisited 11. Commit the Bug Fix 12. Reflect: Commit Size 13. Branches 14. Making a Branch 15. Reflect: When to Use Branches 16. Interview with Mike Wales 17. Branches for Collaboration 18. Reachability

What two versions does each form of git diff compare?

Choices: working directory  
staging area  
commit 1  
commit 2

git diff  
git diff --staged  
git diff commit1 commit2

working directory staging area  
staging area commit 1  
commit 1 commit 2

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Clase 3: Creating and Modifying a Repository

Reachability

SEND FEEDBACK

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18. Reachability

19. Detached HEAD Revisited

20. Reflect: Visualizing with Diagrams

21. Combining Simple Files

22. Combining Simple Files Using

23. Merging Coins into Master

24. Merging on the Command Line

25. Reflect: Merging Two Branches

26. Merge Conflicts

Reachability

commits listed for branch

a: 3fc, f26, e3d

b: 4d9, 7dc, 2c4, e3d

unreachable commits: f36

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Clase 3: Creating and Modifying a Repository

Combining Simple Files

SEND FEEDBACK

BUSCAR

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CONTENIDO

21. Combining Simple Files

22. Combining Simple Files Using

23. Merging Coins into Master

24. Merging on the Command Line

25. Reflect: Merging Two Branches

26. Merge Conflicts

27. Conflict Detection

28. Update Easy Mode

Merging files

In final? Yes, no, or unknown

Jake

B

D

E

A

B

C

D

E

unknown

yes

unknown

yes

unknown

Rachel

A

B

C

D

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Clase 3: Creating and Modifying a Repository

Combining Simple Files Using Original

SEND FEEDBACK

Handwritten diagram titled "Merging files" showing the process of combining files from Jake and Rachel into an Original state.

Original: A B D

In final? Yes, no, or unknown

Jake: B D E

Rachel: A B C D

Decision table for In final?

File	In final?
A	no
B	Yes
C	yes
D	Yes
E	yes

Buttons: Ver introducción, VER RESPUESTA, ENVIAR RESPUESTA

13)

Clase 3: Creating and Modifying a Repository

Merging Coins Into Master

SEND FEEDBACK

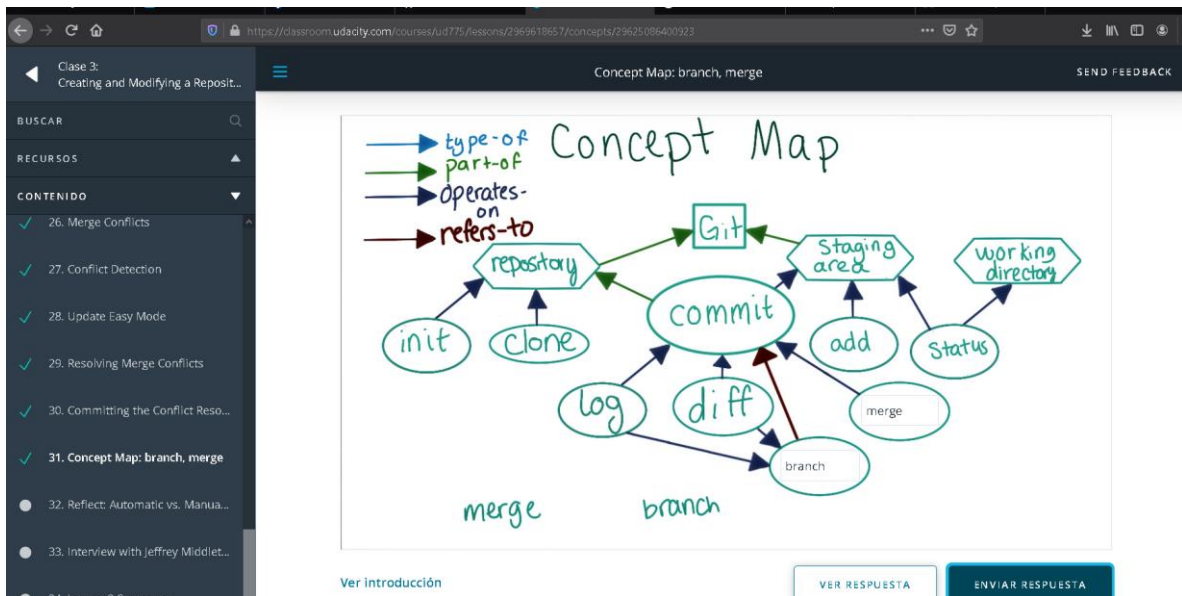
Handwritten diagram titled "Current History Diagram" showing a sequence of commits and branches.

Commits: revert controls, first coins commit, helper fix, coin collection, ships on coins, fix screen typo, ipad, frame interval, animation, color, easy, easy-mode.

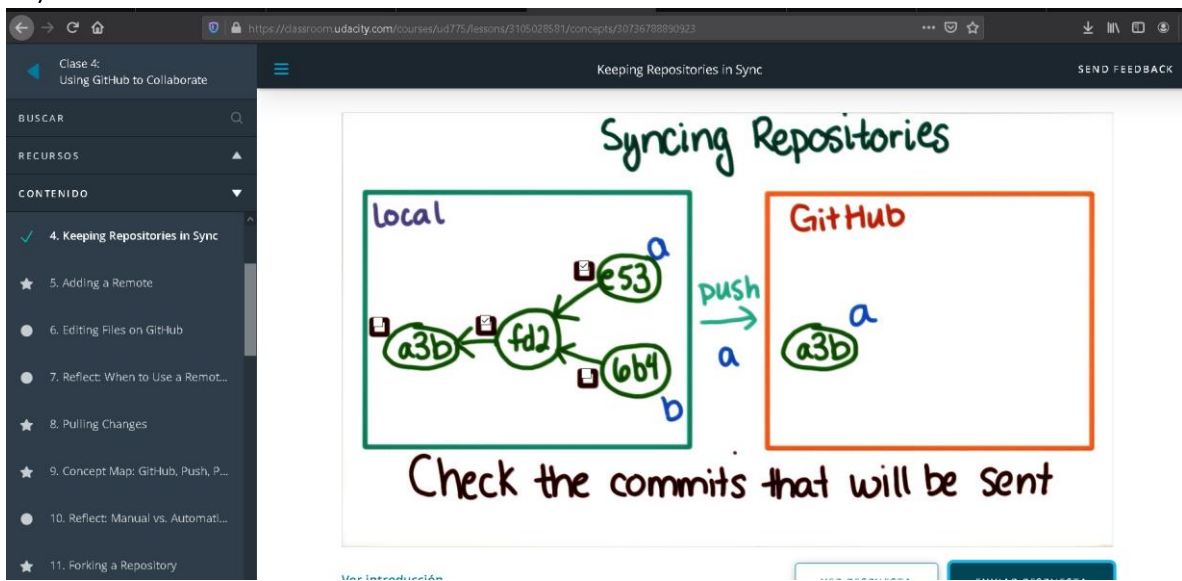
Branches: master (which commits would appear in log for master?), easy-mode, easy.

Buttons: Ver introducción, VER RESPUESTA, ENVIAR RESPUESTA

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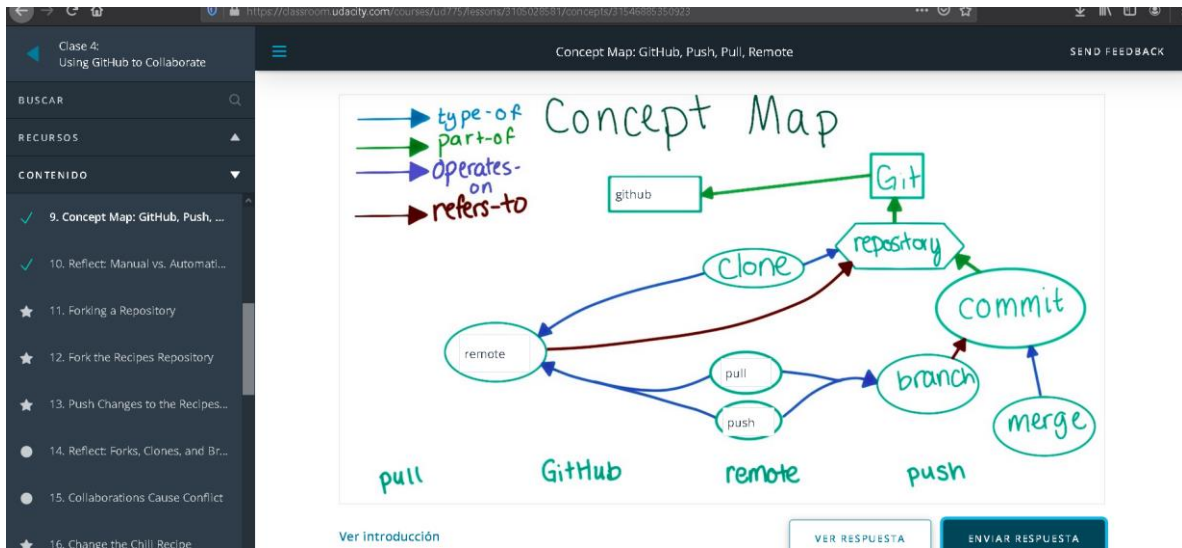


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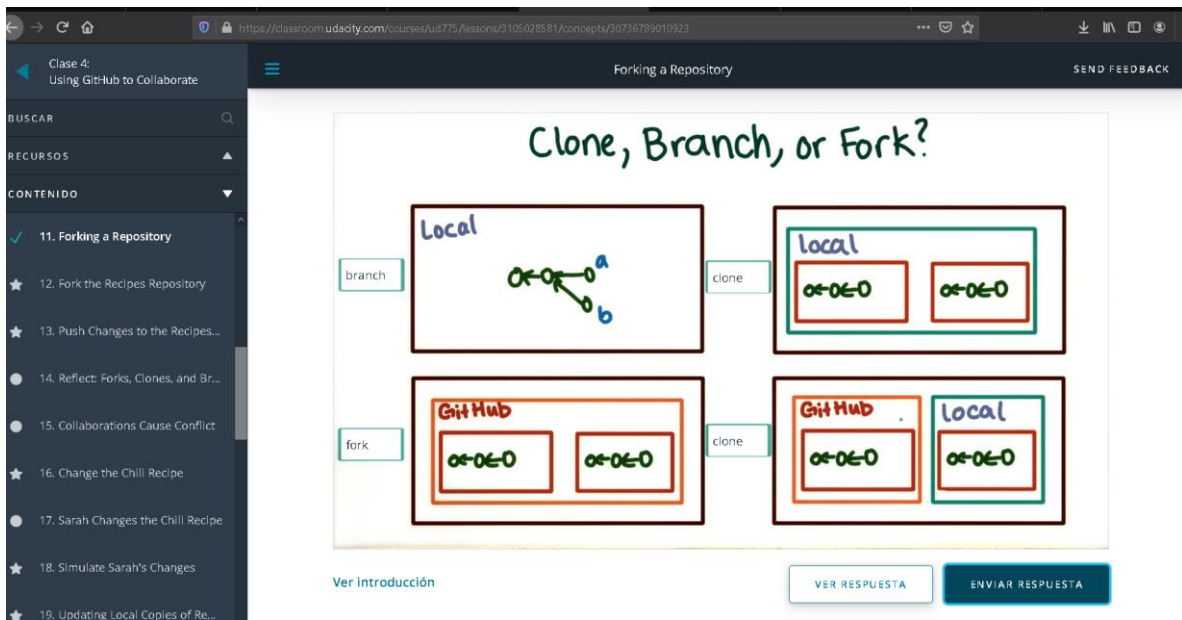


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Clase 4:  
Using GitHub to Collaborate

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RECURSOS

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CONTENIDO

✓

13. Push Changes to the Recipes...

✓

14. Reflect: Forks, Clones, and Br...

●

15. Collaborations Cause Conflict

★

16. Change the Chili Recipe

●

17. Sarah Changes the Chili Recipe

★

18. Simulate Sarah's Changes

★

19. Updating Local Copies of Re...

★

20. Merging the Changes Together

Push Changes to the Recipes Repository

SEND FEEDBACK

## Where was your commit present?

Right before you ran `git push`, where do you think your commit adding a new recipe was present? Similarly, now that you have run `git push`, where do you think this commit is present? Check all that apply, and remember that it's possible for a commit to be present in a repository both before and after running `git push`.

	Right before running <code>git push</code>	Right after running <code>git push</code>
In your local repository (visible via <code>git log</code> )	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
On your fork (visible via the commit history on GitHub)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
On Larry's repository (visible via the commit history on GitHub)	<input type="checkbox"/>	<input type="checkbox"/>

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Clase 4:  
Using GitHub to Collaborate

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BUSCAR

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RECURSOS

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CONTENIDO

✓

20. Merging the Changes Together

✓

21. Fast-Forward Merges

●

22. Reflect: Local Copies of Rem...

★

23. Making a Pull Request

★

24. Updating a Pull Request

●

25. Reflect: Collaboration Using ...

●

26. Conflicting Changes

★

27. Updating Your Local Reposit...

★

28. Merging a Pull Request

Fast-Forward Merges

SEND FEEDBACK

Check if merging `b` into `a` would be a fast-forward

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Class 4: Using GitHub to Collaborate

Making a Pull Request

SEND FEEDBACK

What gets Changed?

Local working directory, Local Staging area, Local master branch, GitHub master branch

edit and save README.md  
git add README.md  
git commit  
git pull  
origin master  
git push  
origin master  
merge alt  
pull request

assume these commands are run with local master checked out

	Local working directory	Local Staging area	Local master branch	GitHub master branch
edit and save README.md	✓			
git add README.md		✓		
git commit			✓	
git pull			✓	
origin master			✓	
git push			✓	✓
origin master			✓	
merge alt			✓	
pull request				✓

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Class 4: Using GitHub to Collaborate

Concept Map: Fork, Fetch, Pull Request

SEND FEEDBACK

Concept Map

type-of, part-of, operates-on, refers-to

GitHub, Git, repository, clone, remote, push, pull, fetch, branch, merge, commit, pull request, fast-forward, merge, fork, git-forward merge

```

graph TD
    GitHub[GitHub] -- fork --> repository(repository)
    repository -- clone --> clone(clone)
    clone --> remote(remote)
    remote -- push --> repository
    repository -- "git-forward merge" --> branch(branch)
    branch -- merge --> merge(merge)
    merge -- commit --> commit(commit)
    commit -- "pull request" --> pull_request(pull request)
    pull_request -- "fast-forward merge" --> repository
    repository -- fetch --> fetch(fetch)
    fetch -- pull --> pull_request
    pull_request -- "pull request" --> pull_request
  
```

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