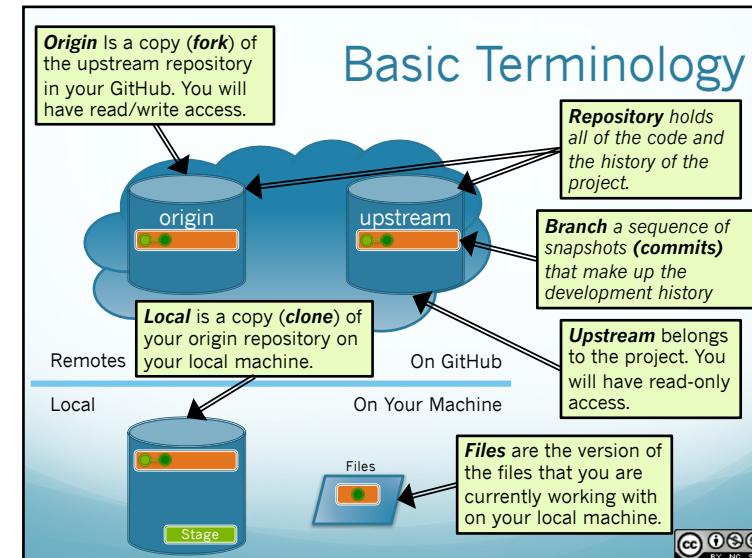


# A Git/GitHub Workflow

Grant Braught  
Dickinson College  
COMP491  
Fall 2018

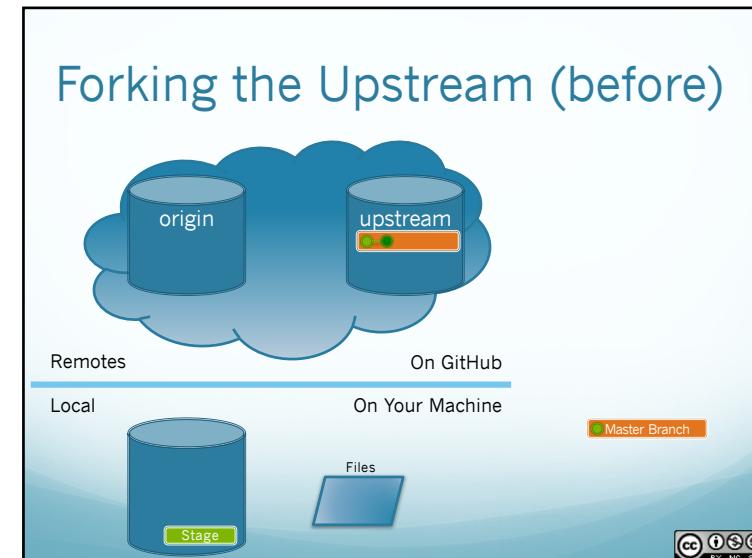
Licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.



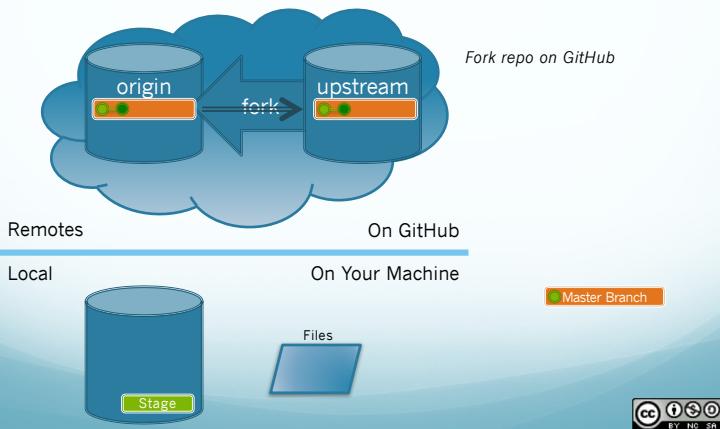
## Part 1- Before the First Class

Grant Braught  
Dickinson College  
COMP491  
Fall 2018

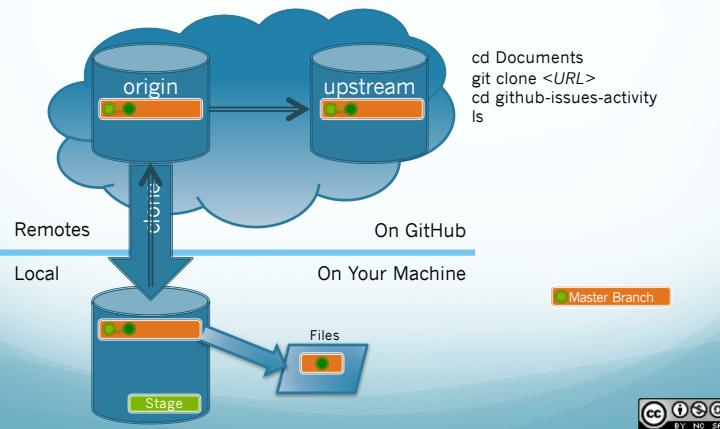
Licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.



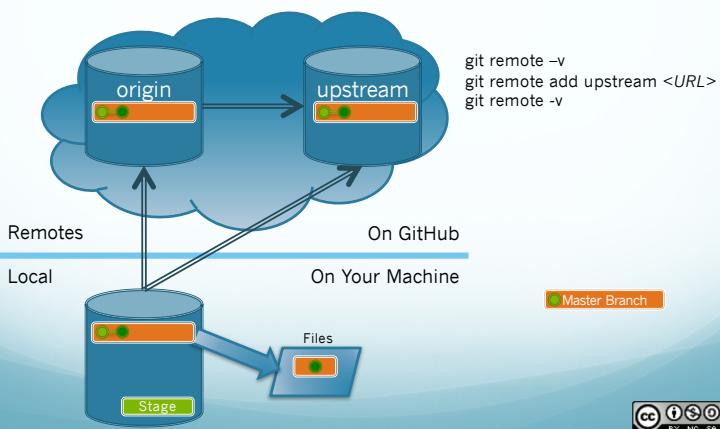
## Forking the Upstream (after)



## Cloning the Upstream



## Setting the Upstream Remote



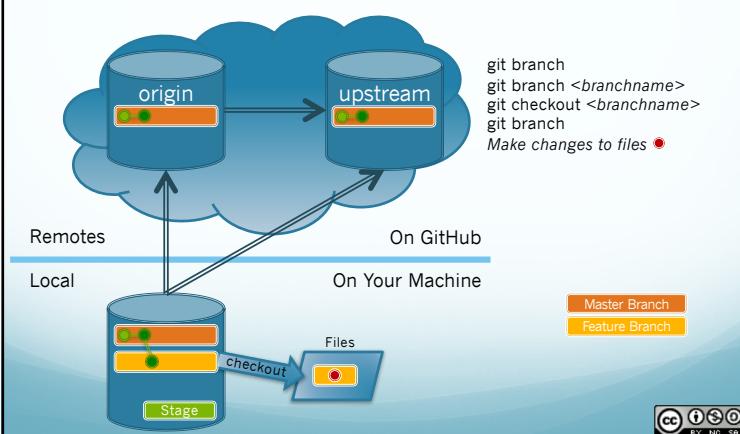
## Part 2 - Hands-on in the First Class

Grant Braught  
Dickinson College  
COMP491  
Fall 2018

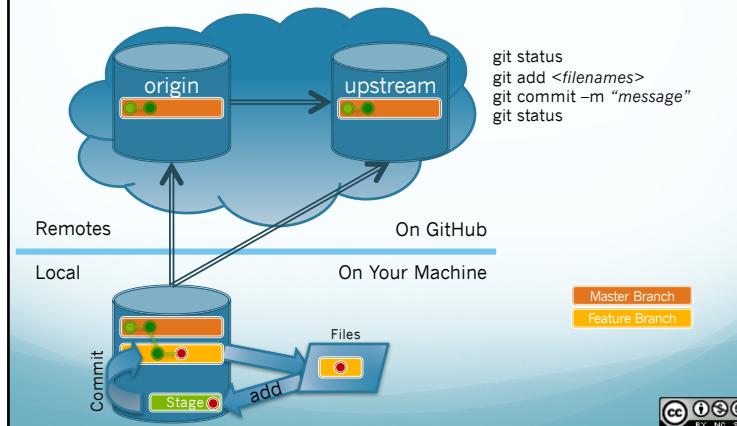
Licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.



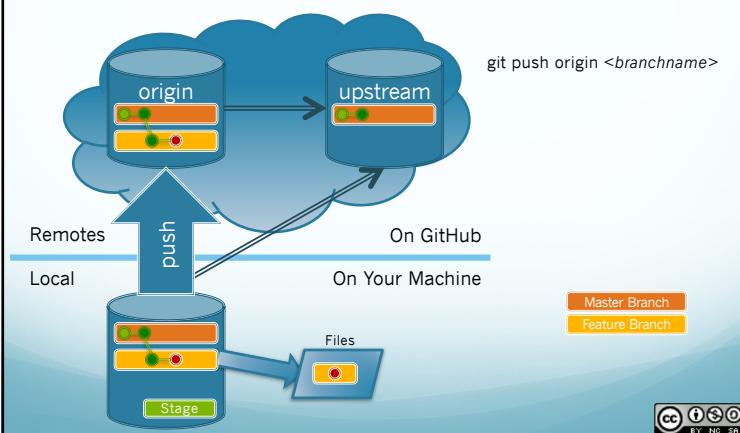
## Branch and Fix



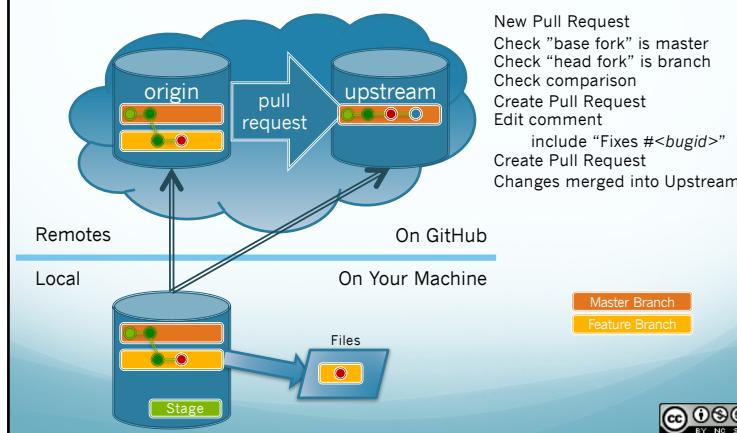
## Status, Stage and Commit



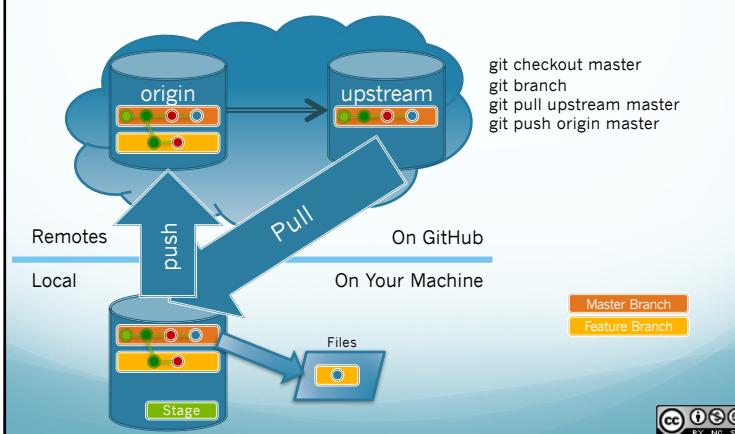
## Push Branch to Origin



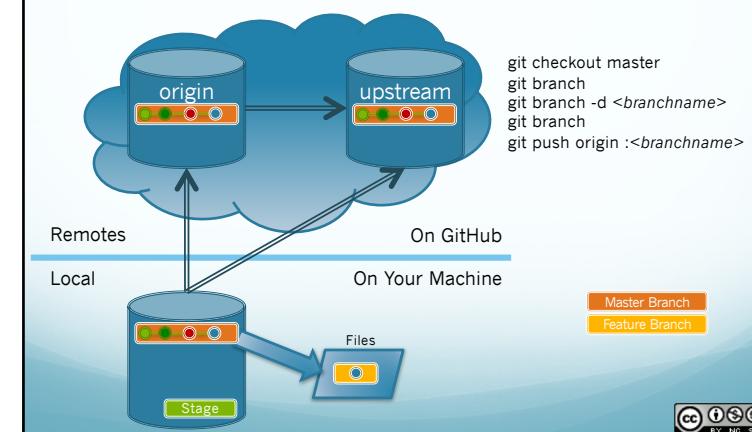
## Making a Pull Request



## Synchronize Local and Origin with Upstream



## Delete Feature Branch

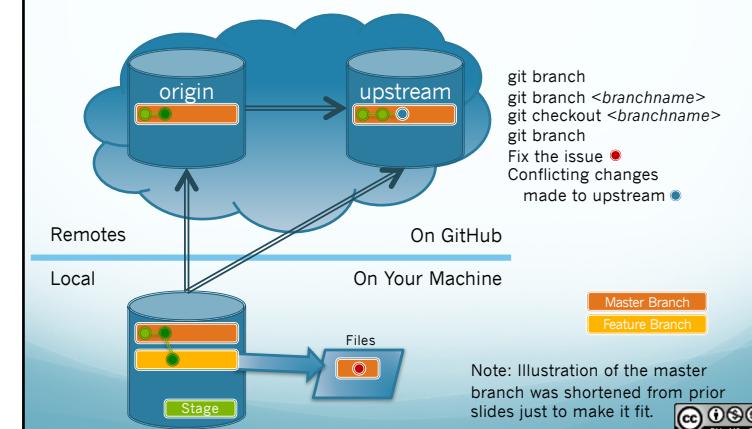


## Part 3 – Before the Second Class

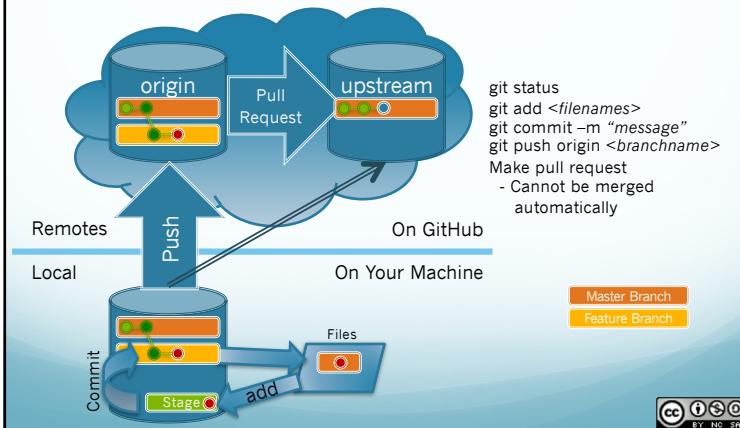
Grant Braught  
Dickinson College  
COMP491  
Fall 2018

Licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.

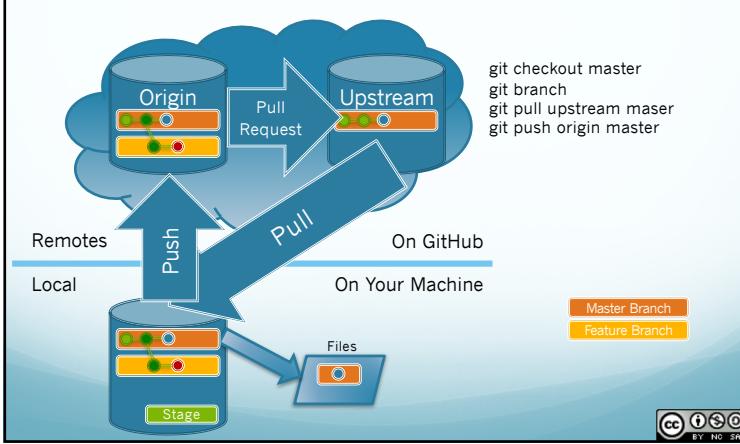
## Fix a Round 2 Issue: Concurrent Changes (part 1)



## Fix a Round 2 Issue: Concurrent Changes (part 2)



## Synch Upstream Changes



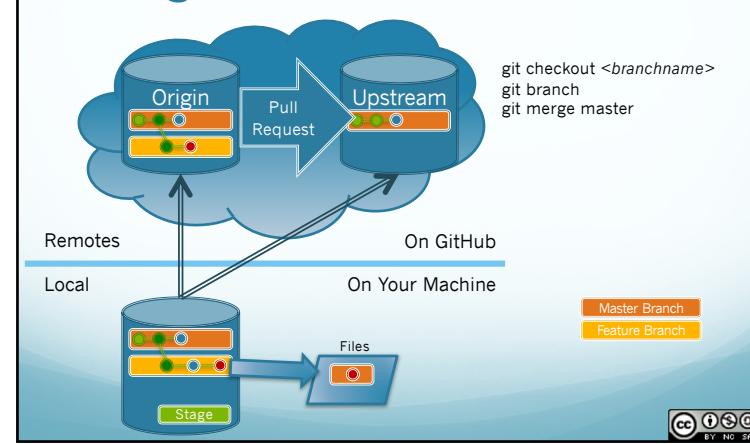
## Part 4 – Hands-on in the Second Class

Grant Braught  
Dickinson College  
COMP491  
Fall 2018

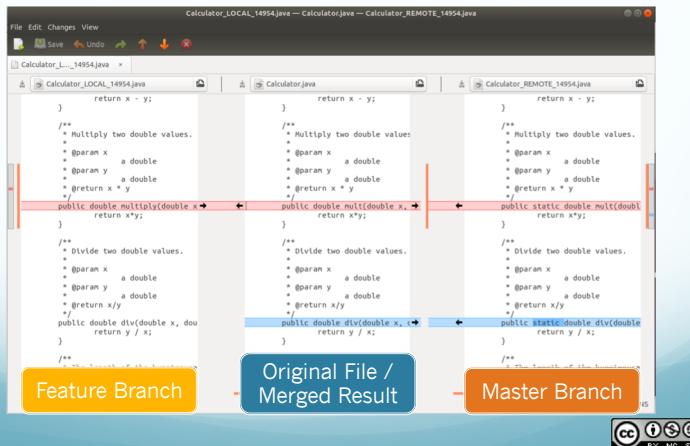
Licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License.



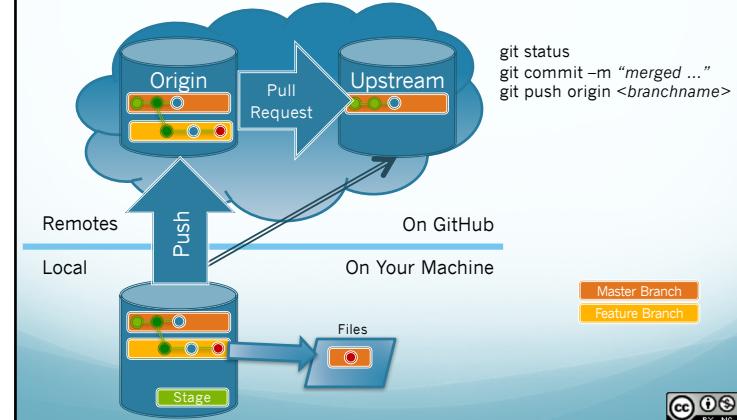
## Merge master Branch Changes into feature Branch



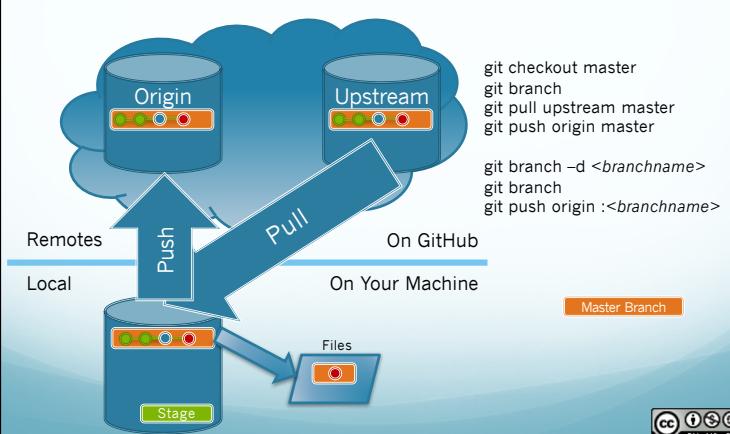
## Merge Tool (meld)



## Commit and Push (Update Pull Request)



## Synch with Upstream and Delete Feature Branch



## Credits

- [http://foss2serve.org/index.php/Git:\\_GitHub\\_Issues\\_and\\_Pull\\_Request](http://foss2serve.org/index.php/Git:_GitHub_Issues_and_Pull_Request)
  - A similar activity produced by Chris Murphy.
- [http://foss2serve.org/index.php/Git:\\_GitHub\\_Workflow\\_Activity](http://foss2serve.org/index.php/Git:_GitHub_Workflow_Activity)
  - A similar activity produced by Darci Burdge and Stoney Jackson.
- <https://github.com/StoneyJackson/github-workflow-activity/blob/master/presentation.pptx>
  - Slides used by Darci Burdge and Stoney Jackson with the above activity.
  - Basic GitHub elements (cloud/arrows/filesystems) were copied from this slide set.
- [http://foss2serve.org/index.php/Git:\\_Working\\_Locally\\_from\\_the\\_Command\\_Line](http://foss2serve.org/index.php/Git:_Working_Locally_from_the_Command_Line)
  - Activity introducing some of the basic git commands produced by Stoney Jackson, Nick Yeates.