GIT

git happens



Git

Git tracks the **history** of all your changes.

It lets teams collaborate

Distributed Version Control System

Git Projects Repository

Project Directory = Git Repository

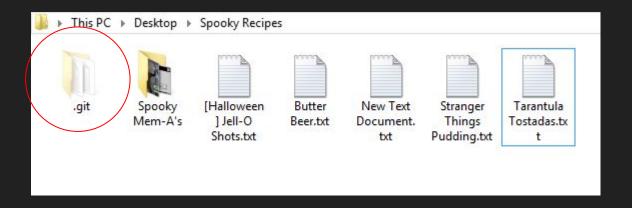
.git folder - hidden

Houses the internal data structure required for version control

Sharing Project

.git contains everything git

git clone





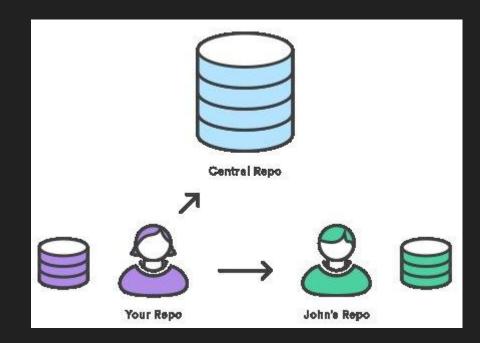
Hub for Git Repositories

Offer views of your project and special views of git topics we're about to cover

Sharing Project

.git contains everything git

git clone



Commits

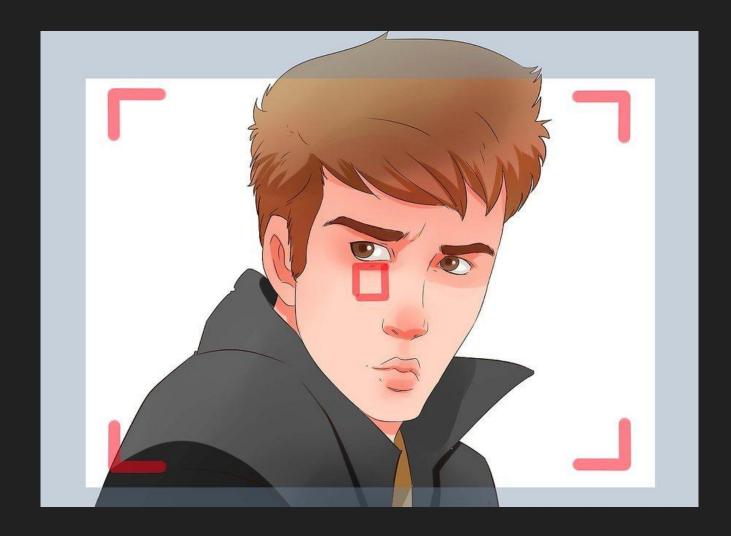
Snapshots

Message

Extra

Author

Date



History

Keeps history of all your snapshots - commits

-	Author		Commit	Message		Date
1	@ unknow	own	115cb1d	Full Collision System!	b Saucers	2018-09-05
+	@ unknow	own	4c4890b	Push from 2017!	b Saucers	2018-09-05
+	(2) unknow	own	18760ea	Still trying to fix	b Saucers	2018-09-05
+	(2) unknow	own	48cb52f	Revert "Trying to go back to 2017" This reverts commit 562ef1f192f9056d486c2377422fee4232bff243.	p Saucers	2018-09-05
+	(2) unknow	own	562ef1f	Trying to go back to 2017	<pre>\$ Saucers</pre>	2018-09-05
+	() unknow	own	ae1c0b9	Working on player body killing saucer - mid dev update	<pre>p Saucers</pre>	2018-08-31
+	(2) unknow	own	f2ad8af	Fixed an error with serrialization (isn't odin great?)	<pre>\$ Saucers</pre>	2018-08-31
+	(2) unknow	own	0b5040e	Now asteroids can be bumped by the player	p Saucers	2018-08-31
+	(2) unknow	own	deccad8	Asteroids can now bump into you! (Though in a strange twist of fate you cannot exactly bump into them. That's next.)	<pre>p Saucers</pre>	2018-08-31
+	(2) unknow	own	462d946	Asteroids use new collision system. I like it.	p Saucers	2018-08-31
+	(2) unknow	own	0098c71	Generalizing and adding saucer collision - mid dev push	b Saucers	2018-08-30
+	(2) unknow	own	4df32bf	Baddies can shoot now :)	p Saucers	2018-08-30
+	(2) unknow	own	bebebe2	Laying out framework	<pre>p Saucers</pre>	2018-08-14
+	(2) unknow	own	b6b2d2d	I guess this has to happen?		2018-08-14

How to take a picture

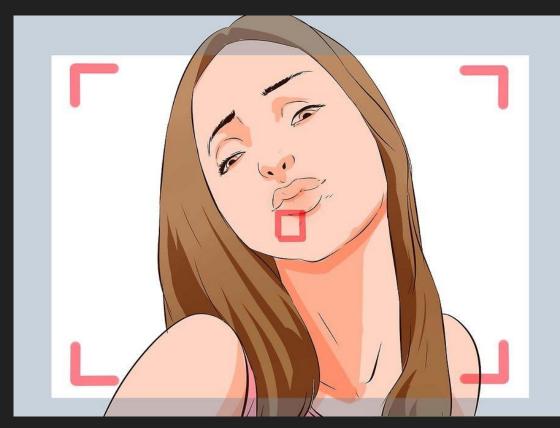
Get everyone in the picture

Get everyone on stage

In the staging area

In the index tree

WILL GET SNAPSHOTTED



Not in the picture

Working Tree

Ignorance is bliss

You can hide things

We've got this for Unity



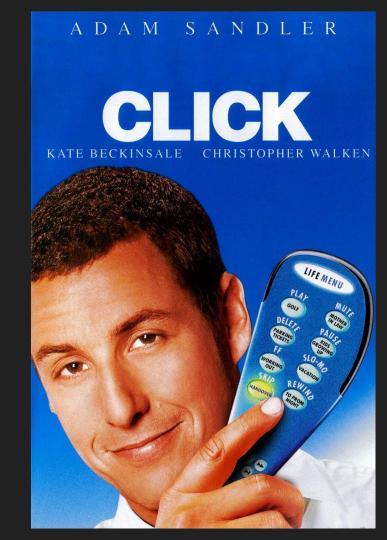
Putting someone into the picture

Add

After every change

Remote

Add tracked project repo to local project repo.



Paul McGuigan's 2009 Sci-Fi, Thriller - Push

Upload commit (snapshot) history to remote (online repo - GitHub)



Workflow

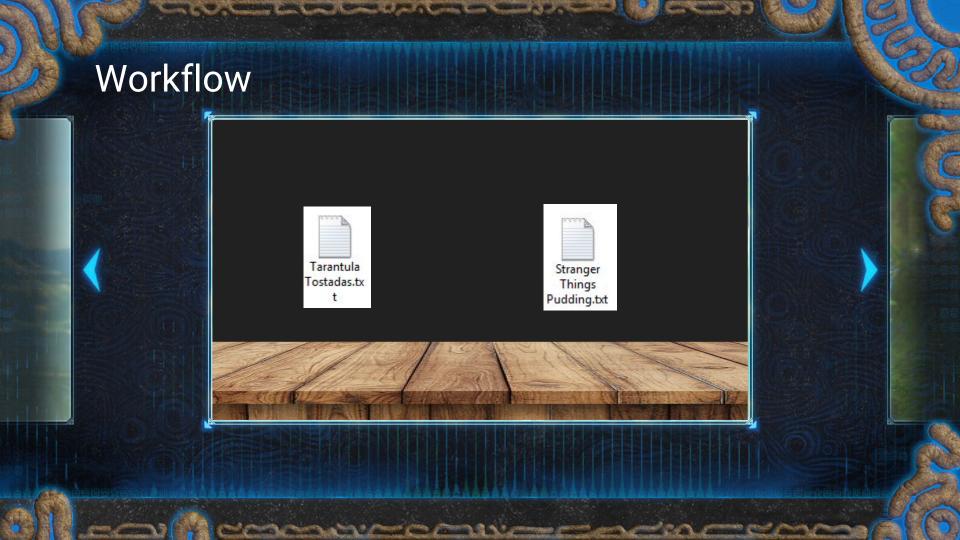


Workflow |









Workflow



Workflow

Local

Message

Full Collision System!

Push from 2017!

Still trying to fix

Revert "Trying to go back to 2017" This reverts commit 562ef1f192f9056d486c2377422fee4232bff243.

Trying to go back to 2017

Working on player body killing saucer - mid dev update

Fixed an error with serrialization (isn't odin great?)

Now asteroids can be bumped by the player

Asteroids can now bump into you! (Though in a strange twist of fate you cannot exactly bump into them. That's next.)

Asteroids use new collision system. I like it.

Generalizing and adding saucer collision - mid dev push

Baddies can shoot now:)

Laying out framework

guess this has to happen?

Remote

Message

Full Collision System!

Push from 2017!

Still trying to fix

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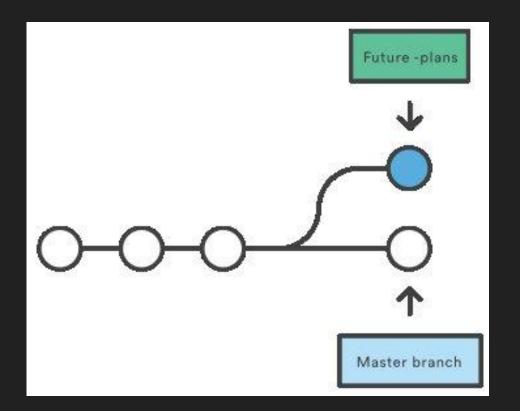
Baddies can shoot now :)

Laying out framework

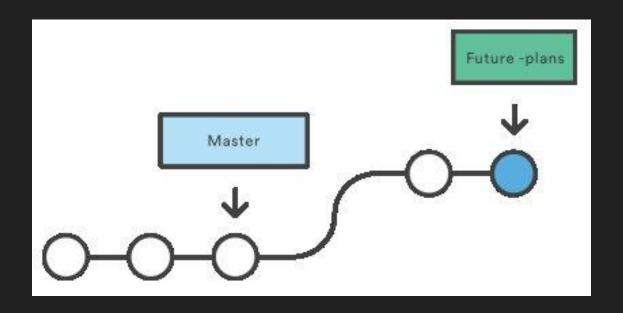
I guess this has to happen?

Default Master

Switch Checkout Branches

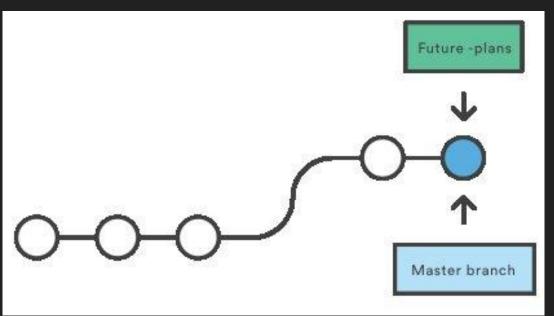


Add commits

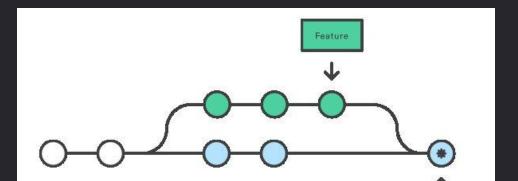


Once you know it's steady

let master catch up

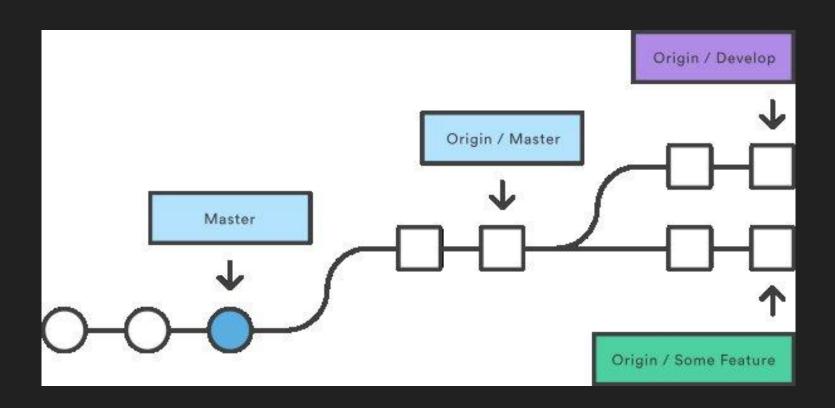








You're Behind



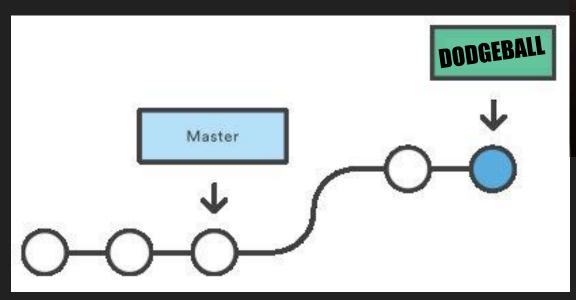
Mr. Mister's 2010 Rock Album - Pull

Download onto your repo



DODGE BALL TUTORIAL RULE II PLAYING PROCEDURES Play will be 4 on 4. A minimum of 3 is required to start the game. Play will be held inside the racquetball courts. No substitutions will be allowed once a game has started, expect for injuries. There is a 15 second sta Team may substitute between games. Ten (10) minute time limit. Team with the most wins in the 10 minutes will be deemed the winner. If tea All players must wear non-marking rubber-soled athletic shoes. Game time is forfeit time, if your team is not there at your scheduled time you will forfeit. Team will switch ends of the court between every game. RULE II THE GAME SEC. 1 Objective The objective of dodge ball is to eliminate all players of the opposing team by throwing one of four ga SEC. 2 Starting a Game Each team starts with ONE (1) ball and then there are TWO (2) balls evenly spread on the center line at Each team member must start with one hand on their back wall. Play begins on the referees signal of "Go SEC. 3 Eliminating the Opposing Players A player is out if: • They throw a ball that is caught by the other team. • They get hit by a ball thrown by the other team. (If the ball does bounce off an opposing player and • They hit another player above the shoulders. • They cross the center line. A player is not out if: • Their ball is caught off the wall or ceiling. • They get hit above the shoulders. SEC. 4 Out of Bounds A ball that hit any wall or ceiling is considered dead and is not back in play until someone has picked

New Branch





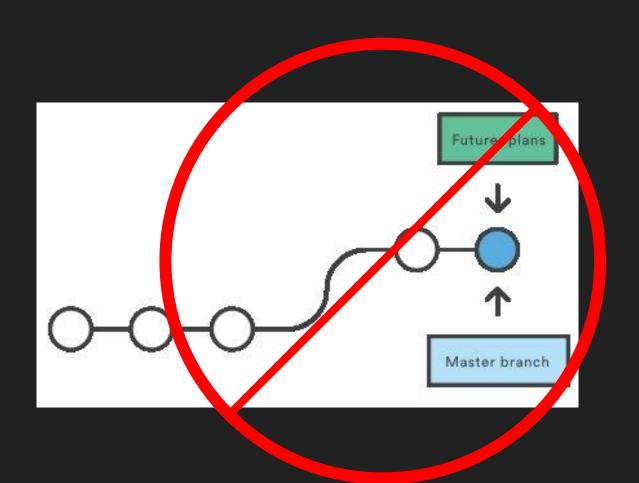
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DODGEBALL RULES

DODGE BALL TUTORIAL

- 1) Dodge
- 2) Duck 3) Dip
- 4) Dive
- 7 5) Dodge



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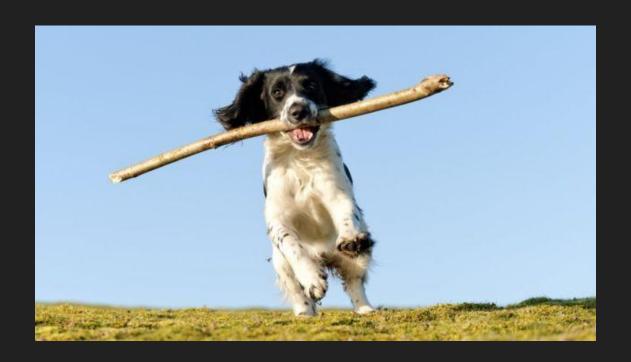
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Commit and Push

```
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Fetch

Download from repository



but... pull you called that pull before...

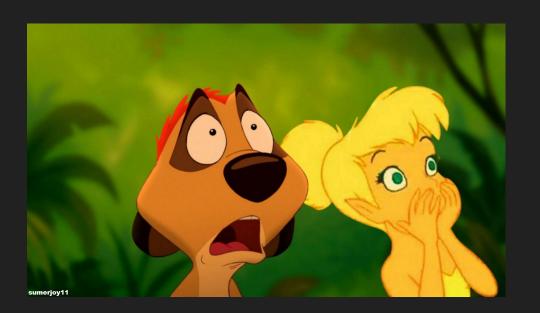
Push's Secret

Git Pull is

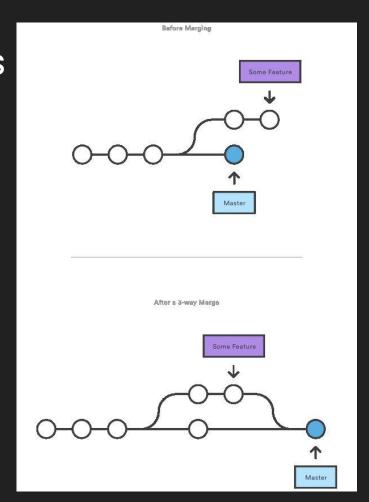
Git Fetch

then

Git Merge

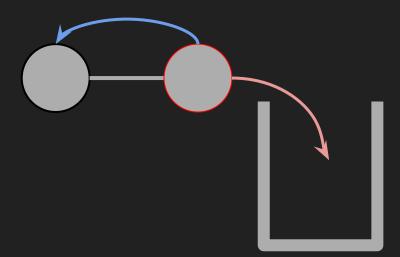


Quick full features



Stash

Record the current working directory. Go back to clean





checkout (file)

Grabs the file from the current HEAD. AKA last push

Good for fixing reverting before committing

git reset --hard HEAD

Throws away all your uncommitted changes and matches the latest commit

Doesn't change any untracked files in the working tree. To get rid of those...

git clean

Remove untracked files from the working tree

-i very nice



QA