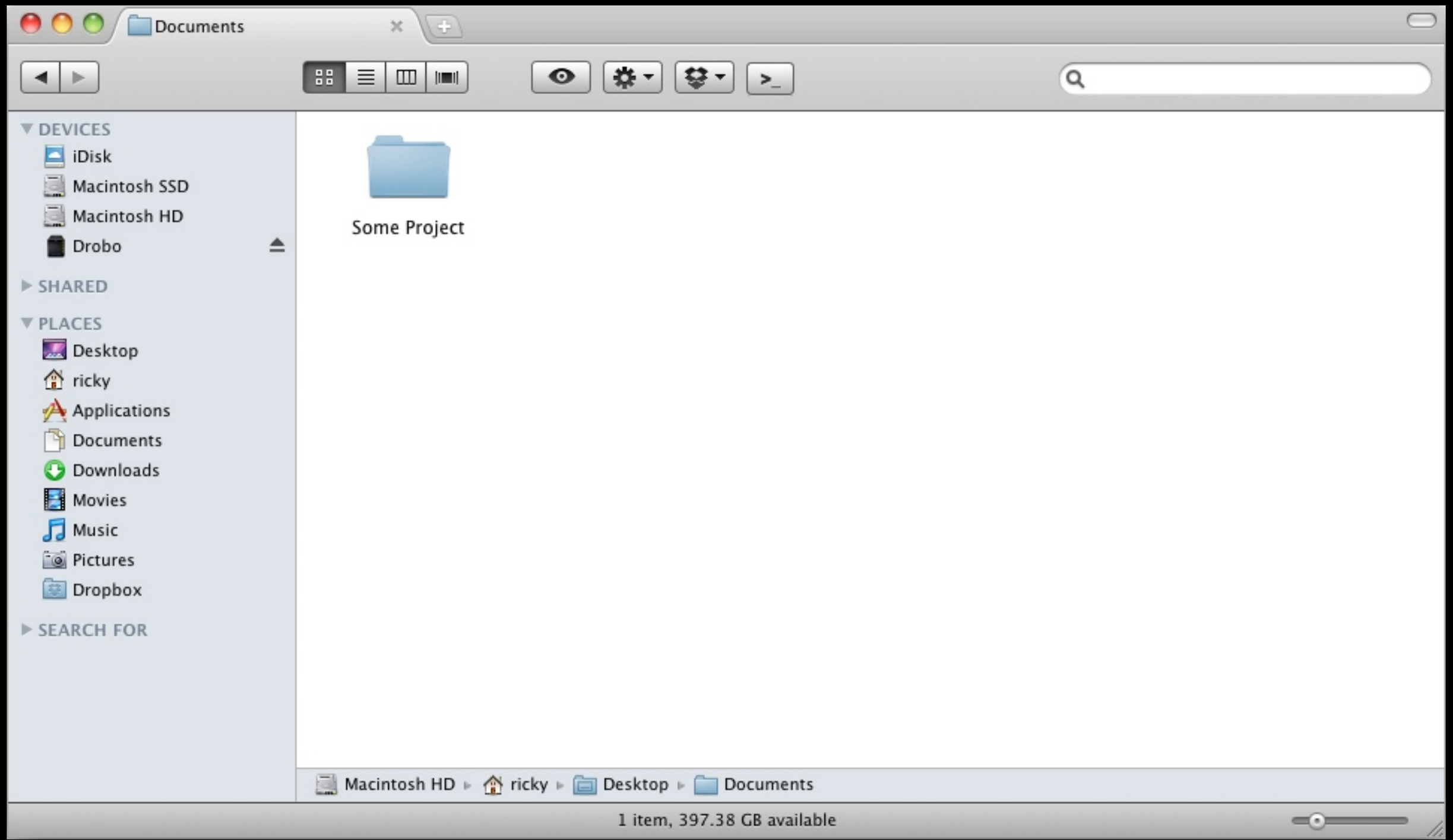
iPhone Spring 2011

New York University

Version Control

Copy & Paste Method


Documents
DEVICES
iDisk
Macintosh SSD
Macintosh HD
Drobo
SHARED
PLACES
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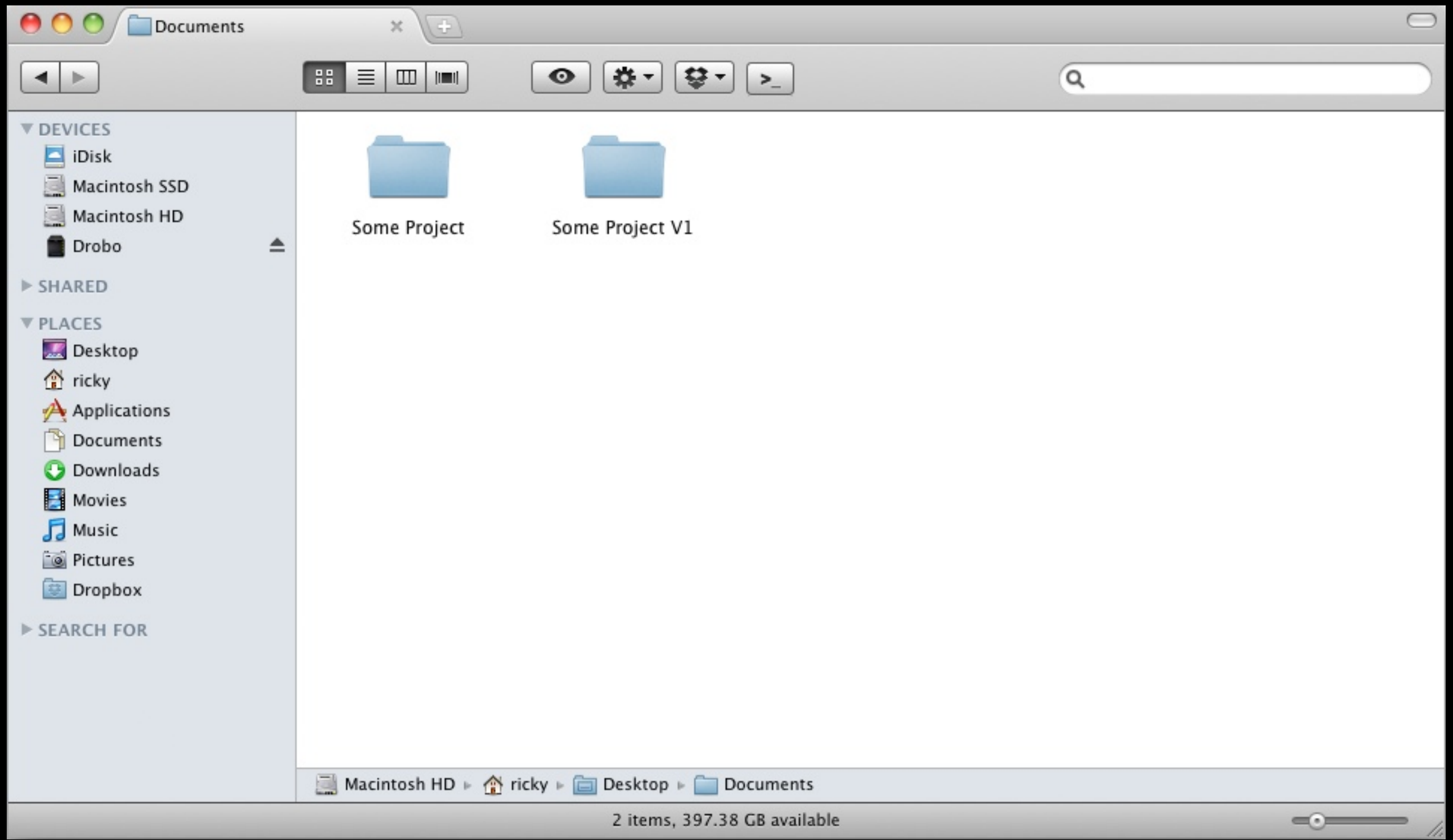
Downloads
Movies
Music
Pictures
Dropbox
SEARCH FOR
Some Project
Macintosh HD ▸ ricky ▸ Desktop ▸ Documents
1 item, 397.38 GB available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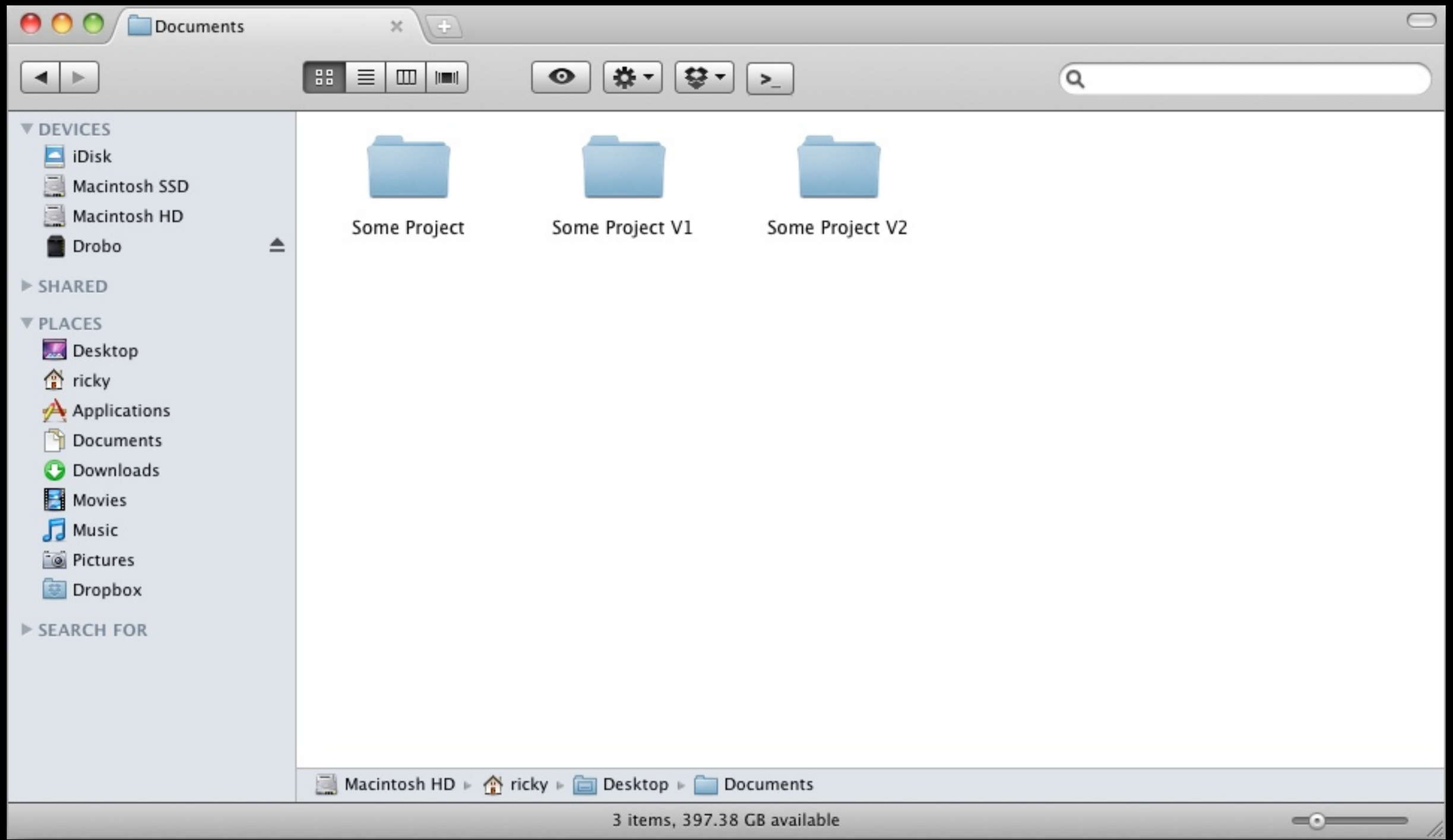
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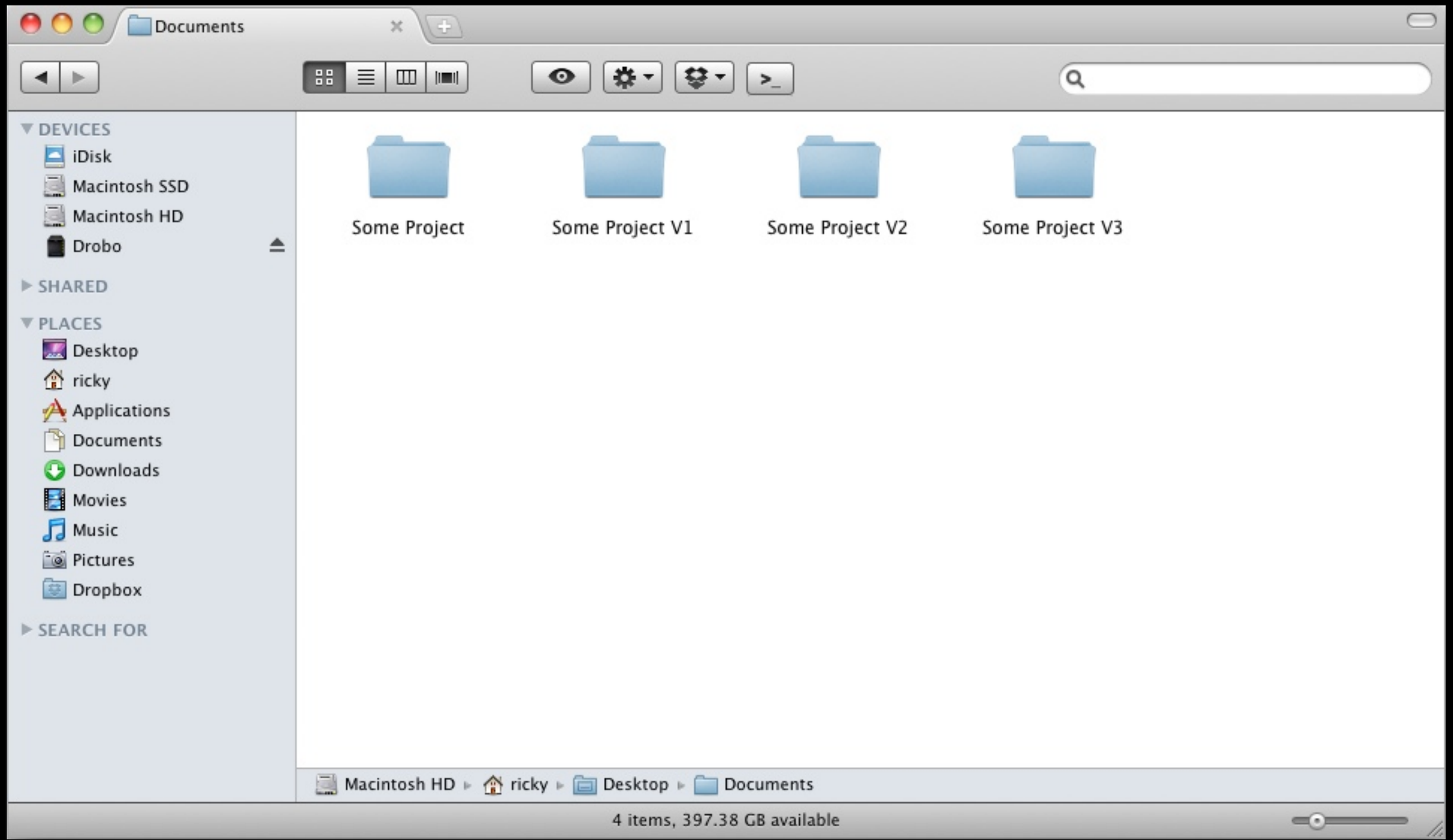
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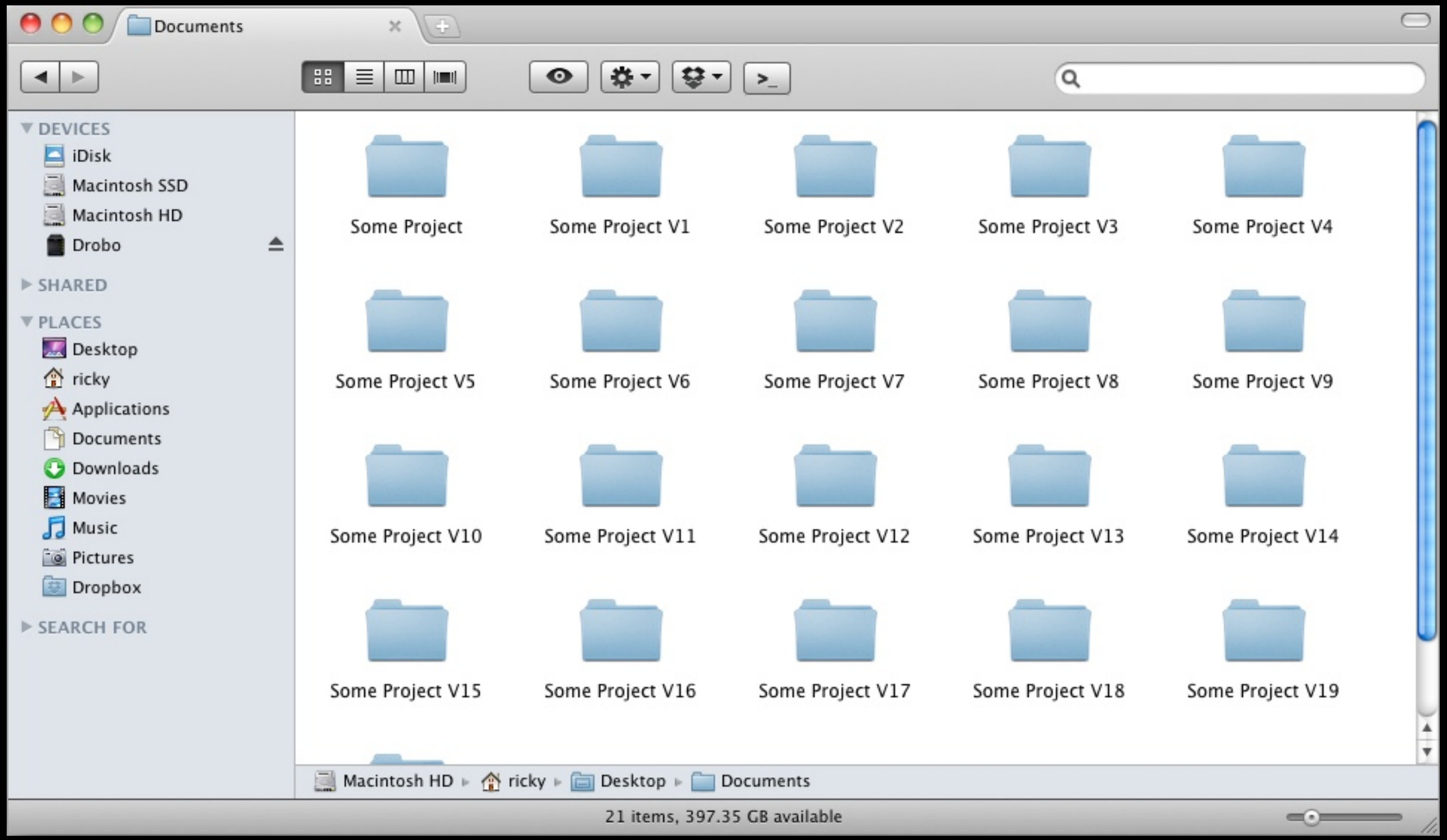
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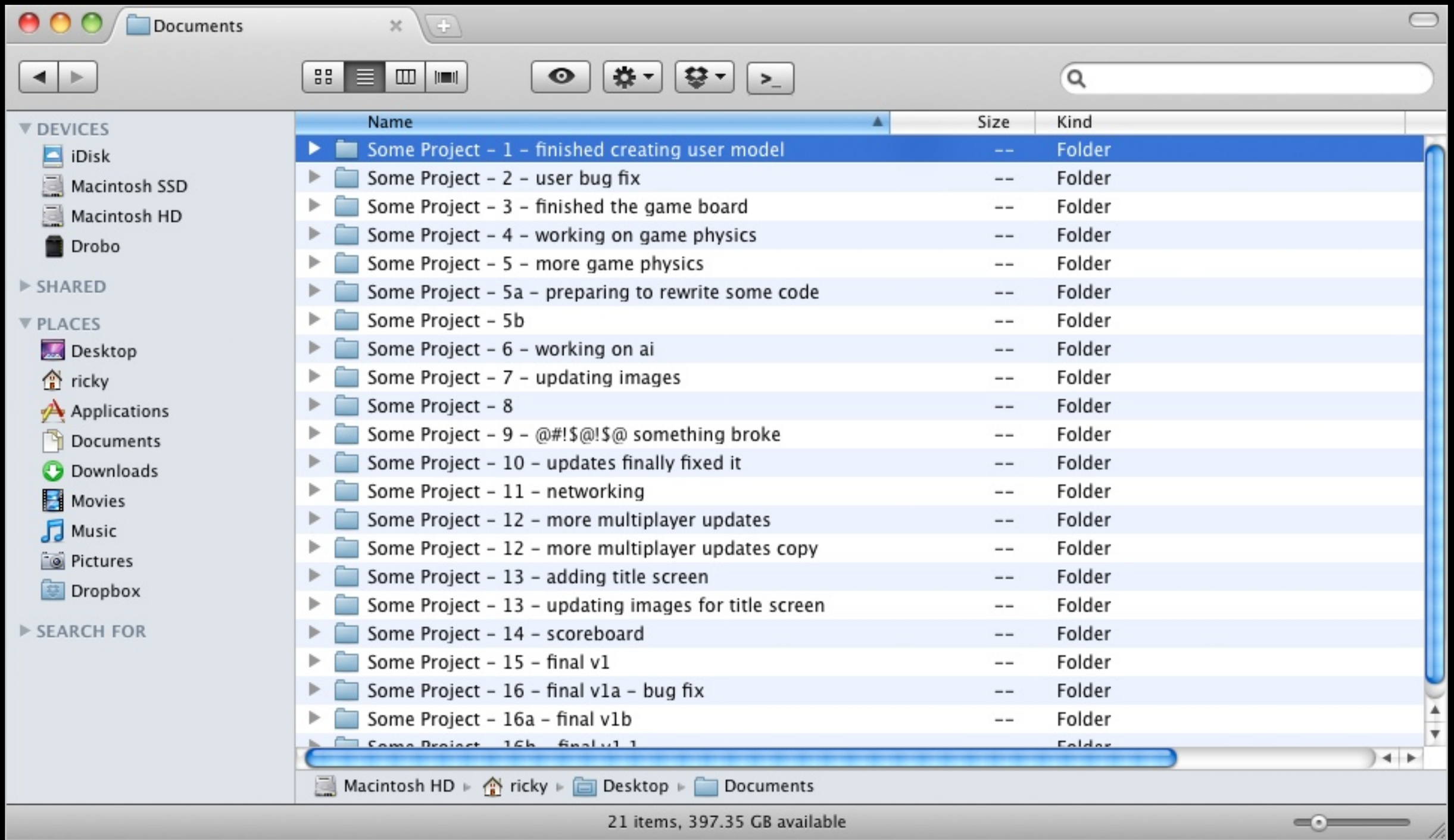
Macintosh HD ▸ ricky ▸ Desktop ▸ Documents
21 items, 397.35 GB available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Music
Pictures
Dropbox
SEARCH FOR
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Size
Kind
Some Project - 1 - finished creating user model -- Folder
Some Project - 2 - user bug fix -- Folder
Some Project - 3 - finished the game board -- Folder
Some Project - 4 - working on game physics -- Folder
Some Project - 5 - more game physics -- Folder
Some Project - 5a - preparing to rewrite some code -- Folder
Some Project - 5b -- Folder
Some Project - 6 - working on ai -- Folder
Some Project - 7 - updating images -- Folder
Some Project - 8 -- Folder
Some Project - 9 - @#!$@!$@ something broke -- Folder
Some Project - 10 - updates finally fixed it -- Folder
Some Project - 11 - networking -- Folder
Some Project - 12 - more multiplayer updates -- Folder
Some Project - 12 - more multiplayer updates copy -- Folder
Some Project - 13 - adding title screen -- Folder
Some Project - 13 - updating images for title screen -- Folder
Some Project - 14 - scoreboard -- Folder
Some Project - 15 - final v1 -- Folder
Some Project - 16 - final v1a - bug fix -- Folder
Some Project - 16a - final v1b -- Folder
Macintosh HD ▸ ricky ▸ Desktop ▸ Documents
21 items, 397.35 GB available

Pros

Pros

There aren't any.

Cons

Cons

Cons

Duplication

Cons

Duplication

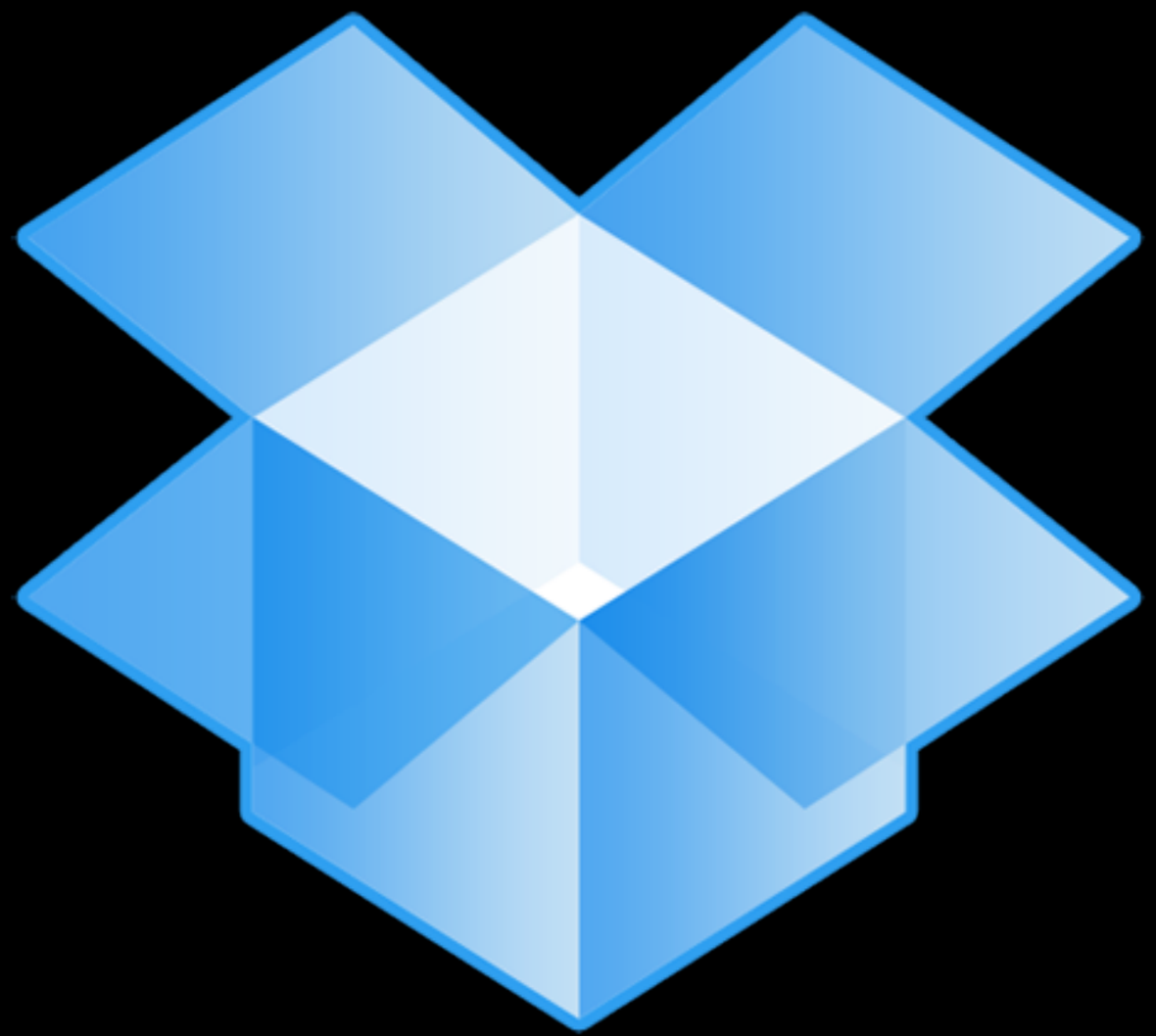
Inefficient

Cons

Duplication

Inefficient

Lack of collaboration



Dropbox

If you don't already use it,
you should.

It’s free.

Dropbox » Documents » Some Project

Upload | New folder | Invite to folder | Get shareable link | More ▼

File Name	Size	Modified
Parent folder		
.git		
Final Project		
Final Project.xcodeproj		

Dropbox » Documents » Some Project » Final Project

Upload | New folder | Invite to folder | Get shareable link | More ▼

File Name	Size	Modified
Parent folder		
en.lproj		
Final Project-Info.plist	1.16KB	44 secs ago
Final Project-Prefix.pch	332 bytes	44 secs ago
Final_ProjectAppDelegate.h	433 bytes	44 secs ago
Final_ProjectAppDelegate.m	2.36KB	44 secs ago
Final_ProjectViewController.h	247 bytes	44 secs ago
Final_ProjectViewController.m	1,016 bytes	44 secs ago
main.m	349 bytes	44 secs ago

Version History of 'main.m'

Dropbox keeps a snapshot every time you save a file. You can preview and restore 'main.m' by choosing one of the versions below:

	Changed	Event	Changed by	Preview	Size
	4 secs ago (current)	Edited	Ricky Cheng (Ricky-Chengs-MacBook-Pro.local)		445 bytes
◉	28 secs ago	Edited	Ricky Cheng (Ricky-Chengs-MacBook-Pro.local)		374 bytes
○	33 secs ago	Edited	Ricky Cheng (Ricky-Chengs-MacBook-Pro.local)		353 bytes
○	39 secs ago	Edited	Ricky Cheng (Ricky-Chengs-MacBook-Pro.local)		350 bytes
○	1 min ago (oldest)	Added	Ricky Cheng (Ricky-Chengs-MacBook-Pro.local)		349 bytes

Restore Cancel

Pros

Pros

Pros

Automated Backups

Pros

Automated Backups

No redundancy

Pros

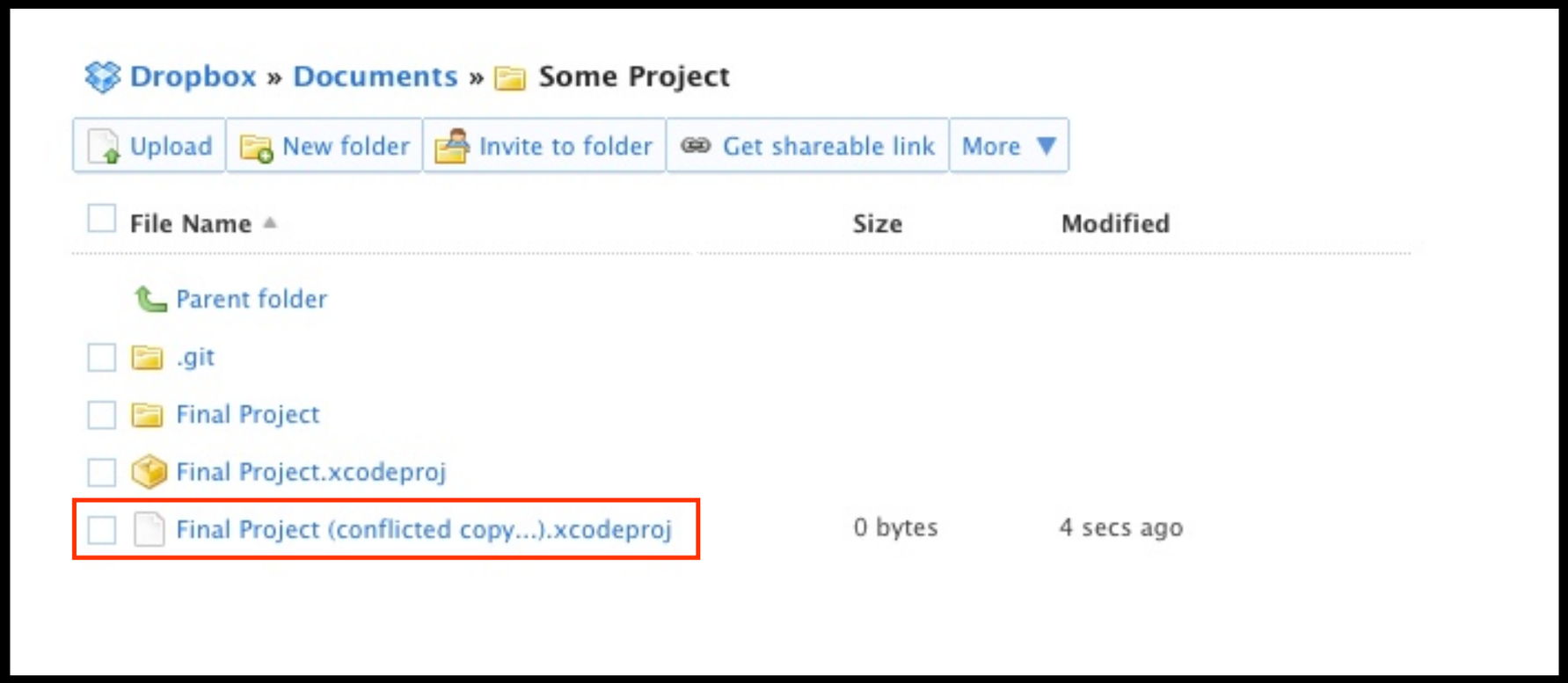
Automated Backups

No redundancy

Collaboration

So, what's wrong?

Conflicts


Dropbox » Documents » Some Project
Upload
New folder
Invite to folder
Get shareable link
More
File Name
Size
Modified
Parent folder
.git
Final Project
Final Project.xcodeproj
Final Project (conflicted copy...).xcodeproj
0 bytes
4 secs ago

Solution?

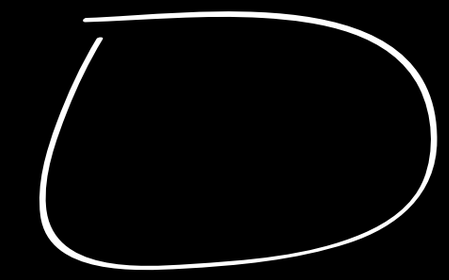
GIT

http://git-scm.com/

Wait, what?

"Git is a free & open source, distributed version control system designed to handle everything from small to very large projects with speed and efficiency."

So, how does it work?



Project

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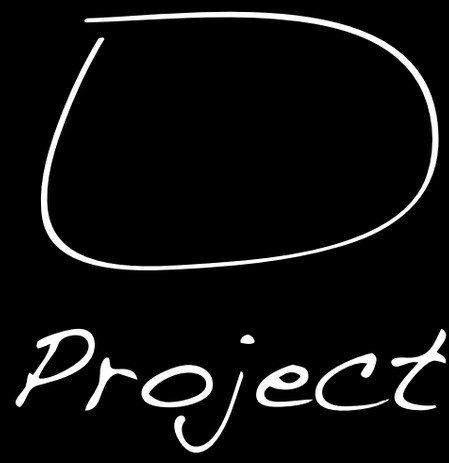
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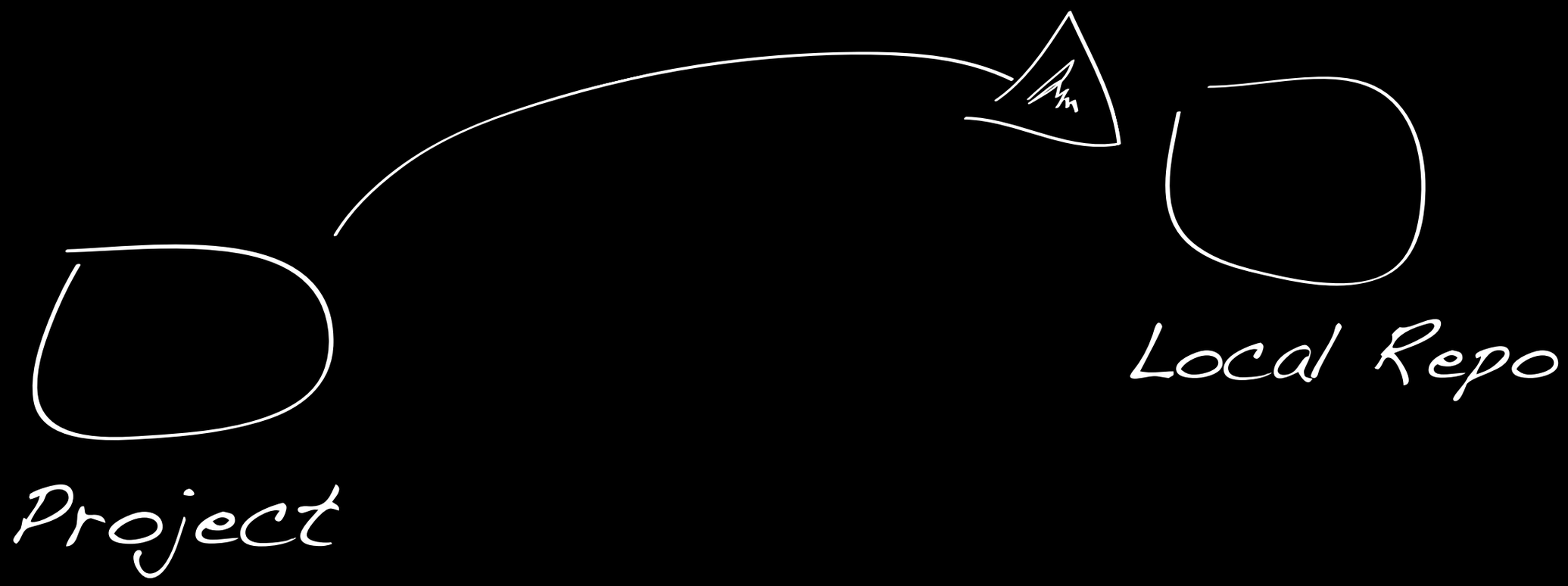
Project

- images/
- index.html

Local Repo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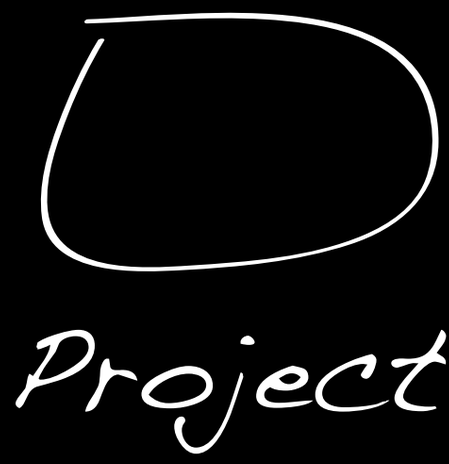

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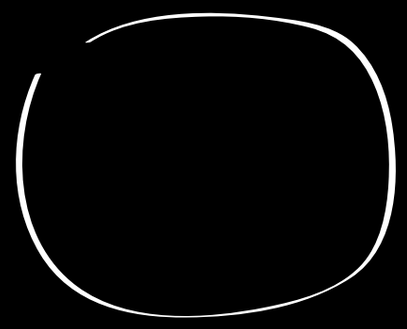

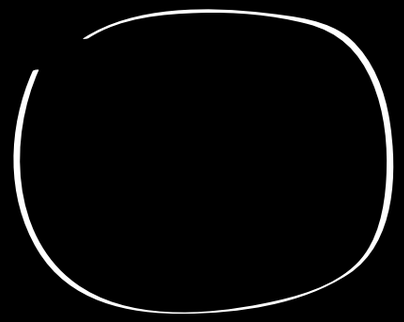

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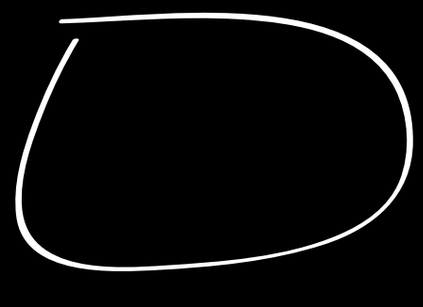

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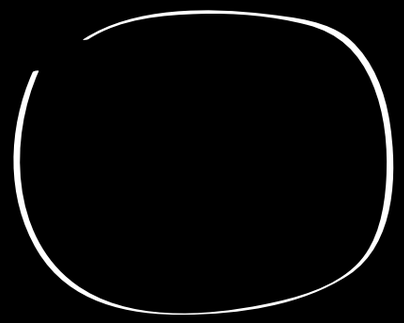

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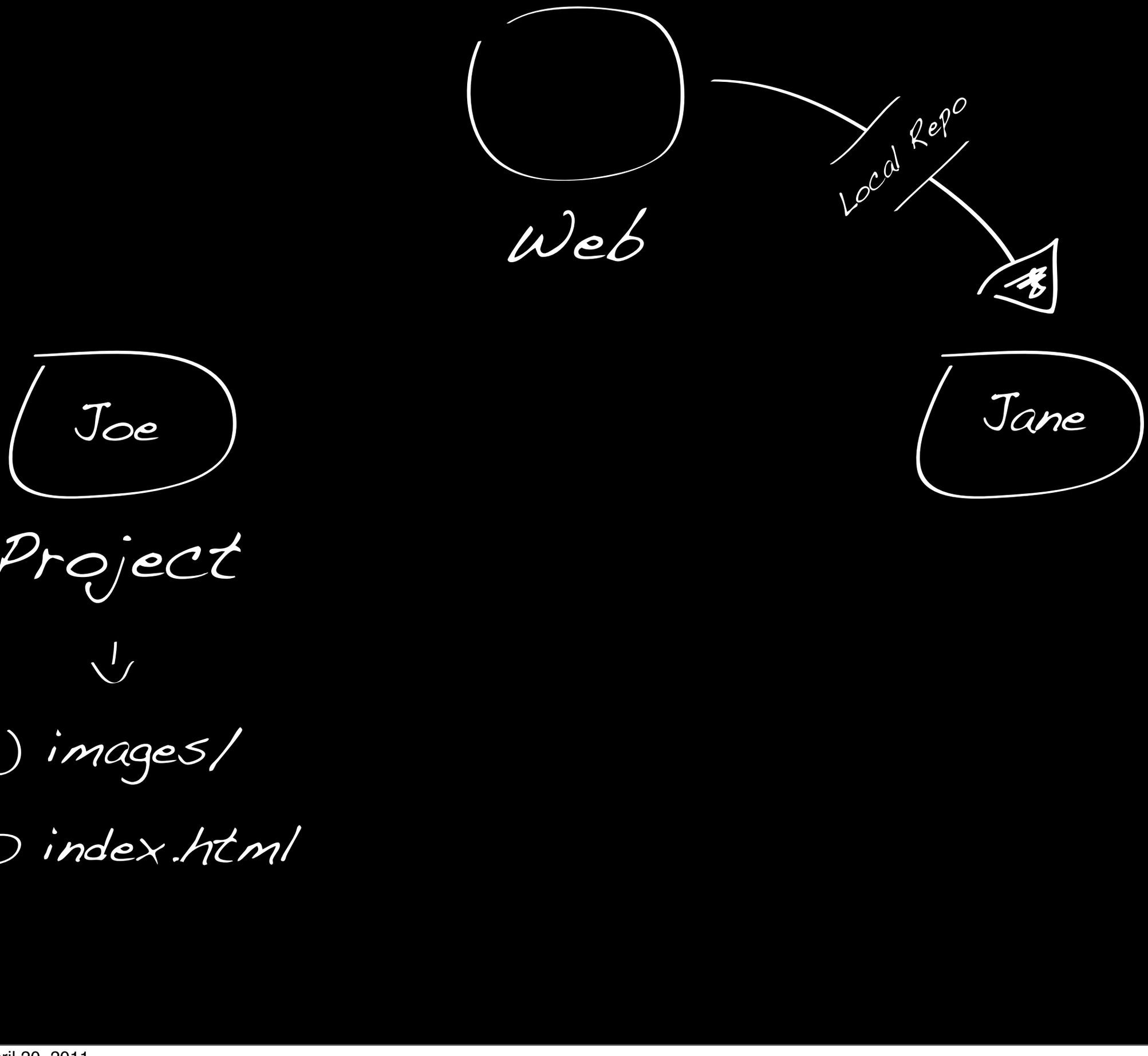
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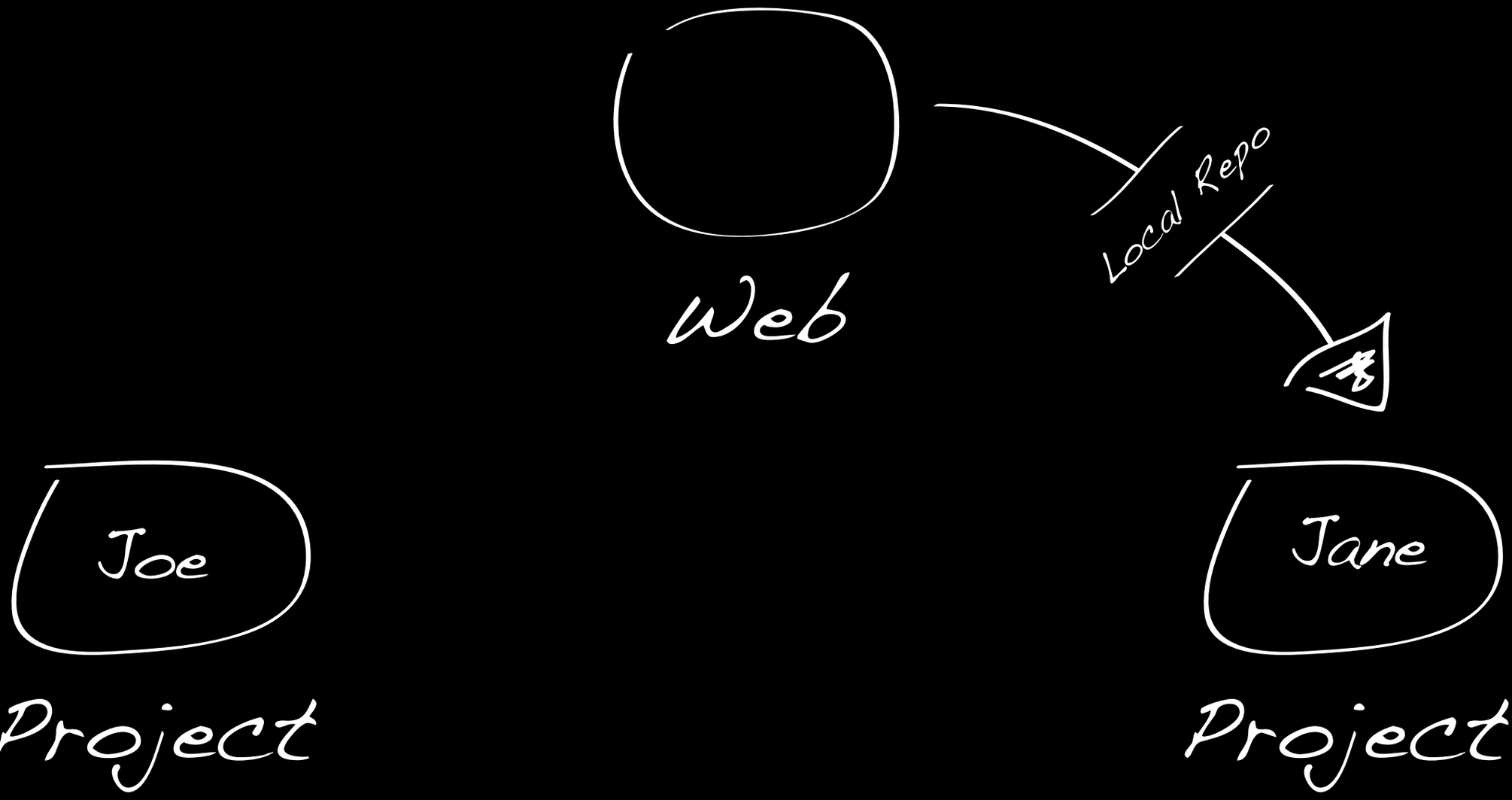
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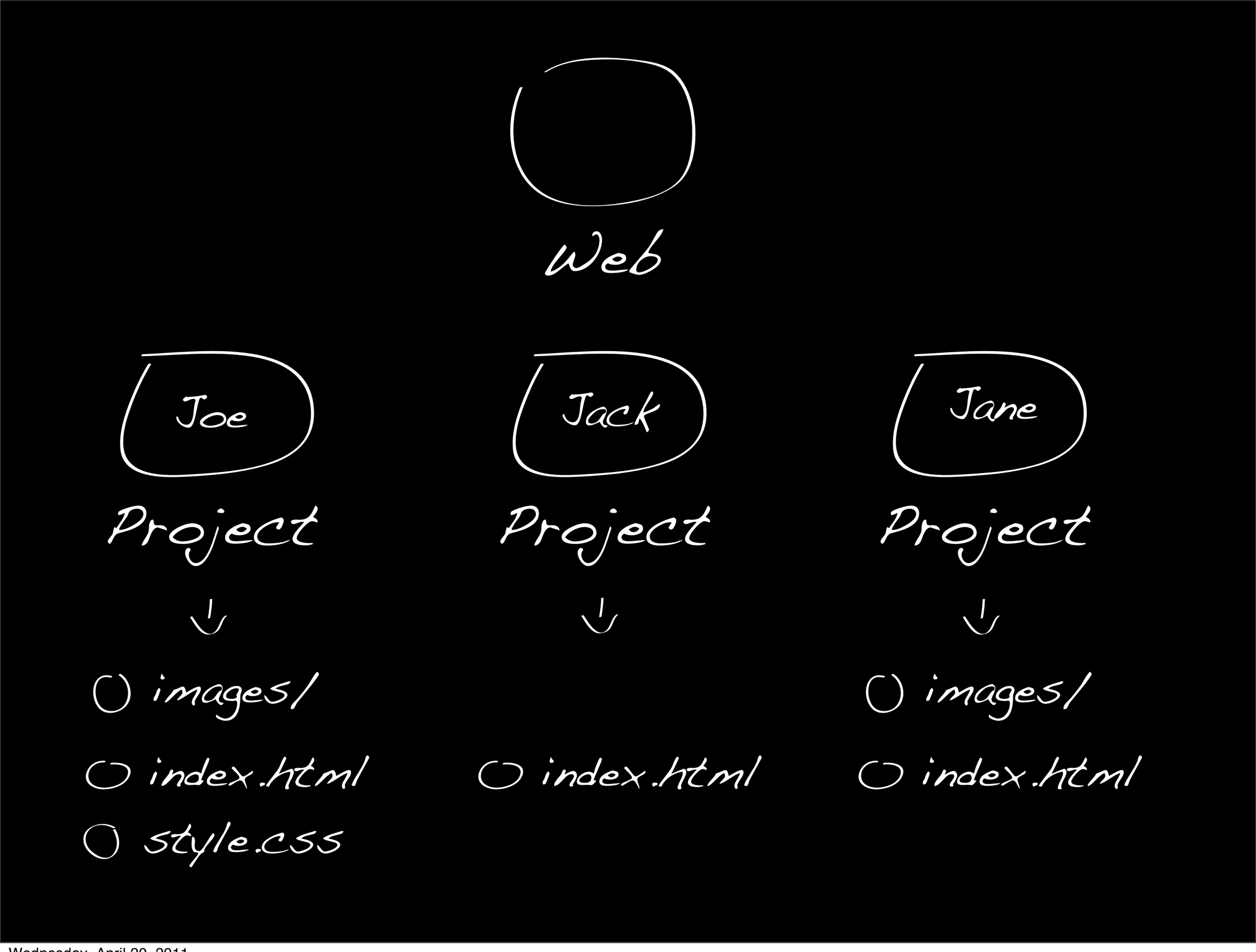
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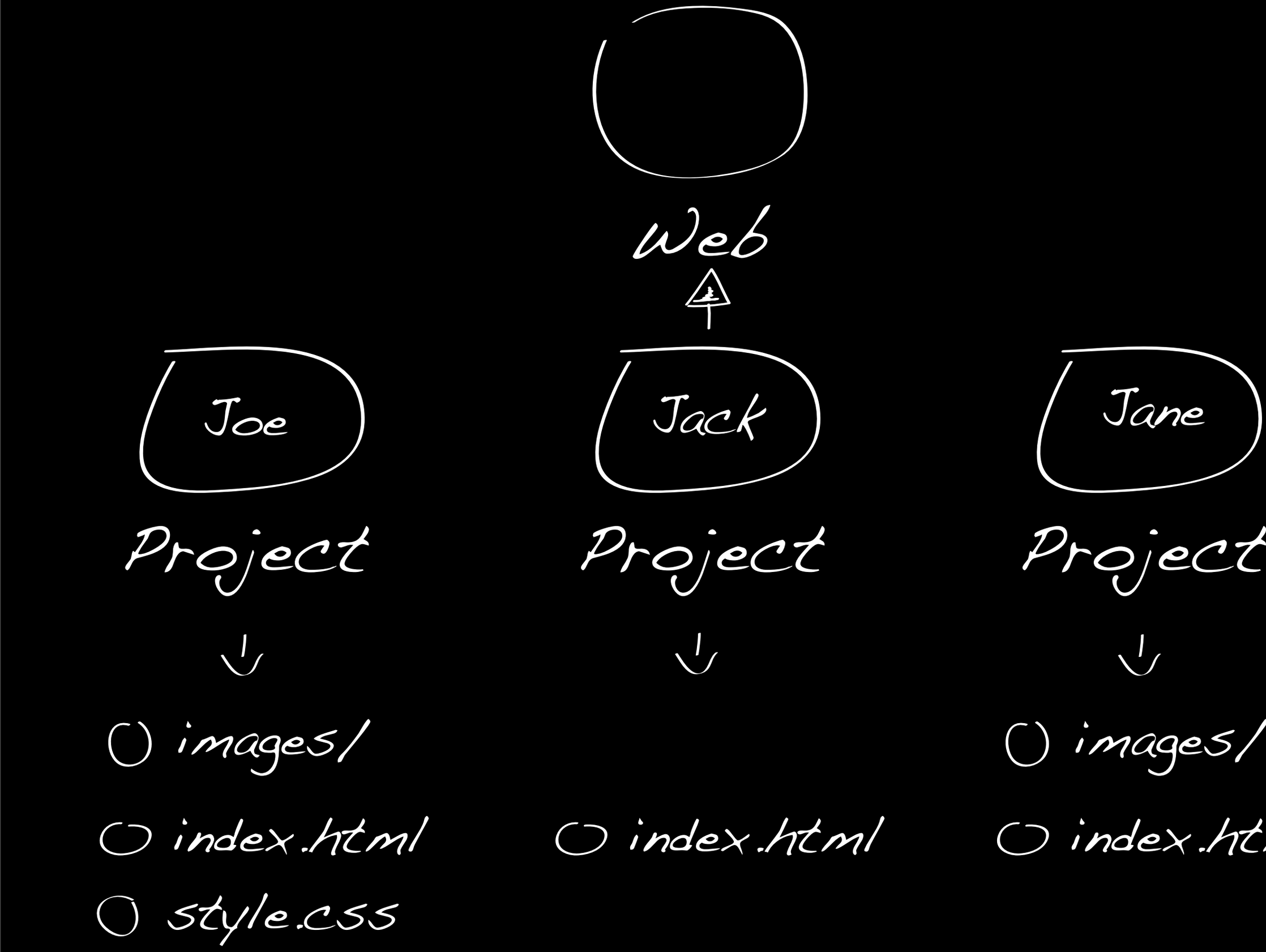
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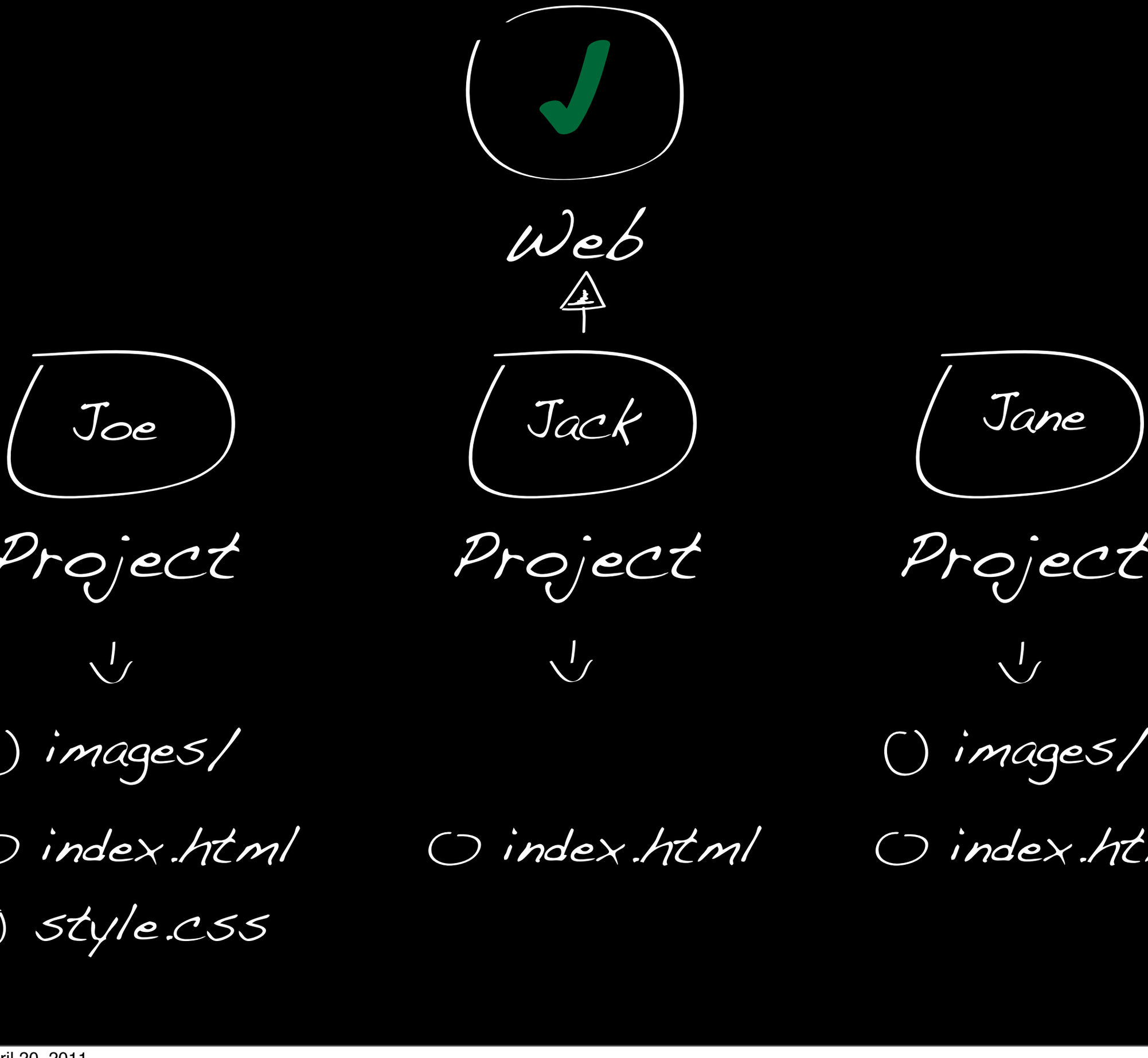
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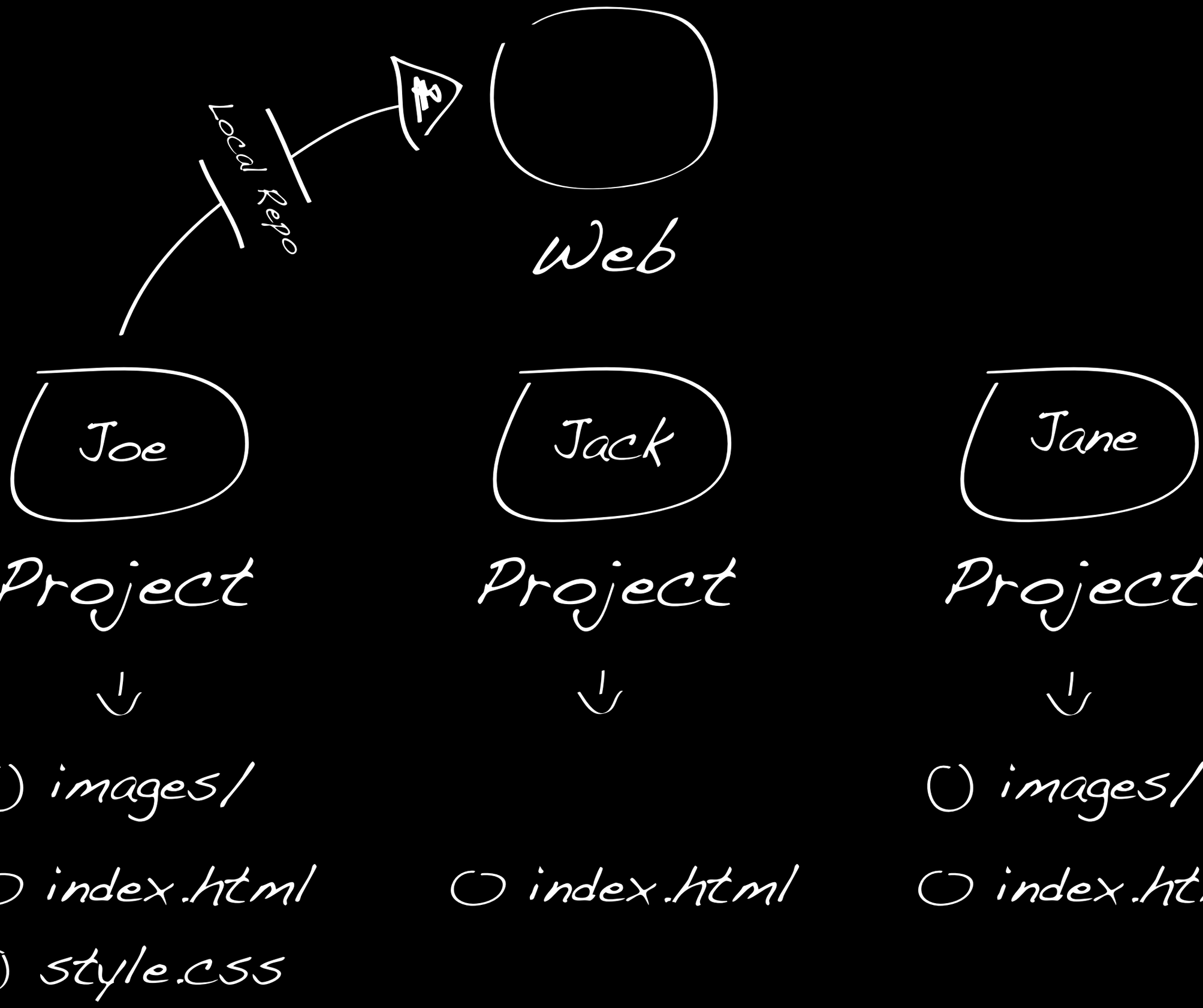
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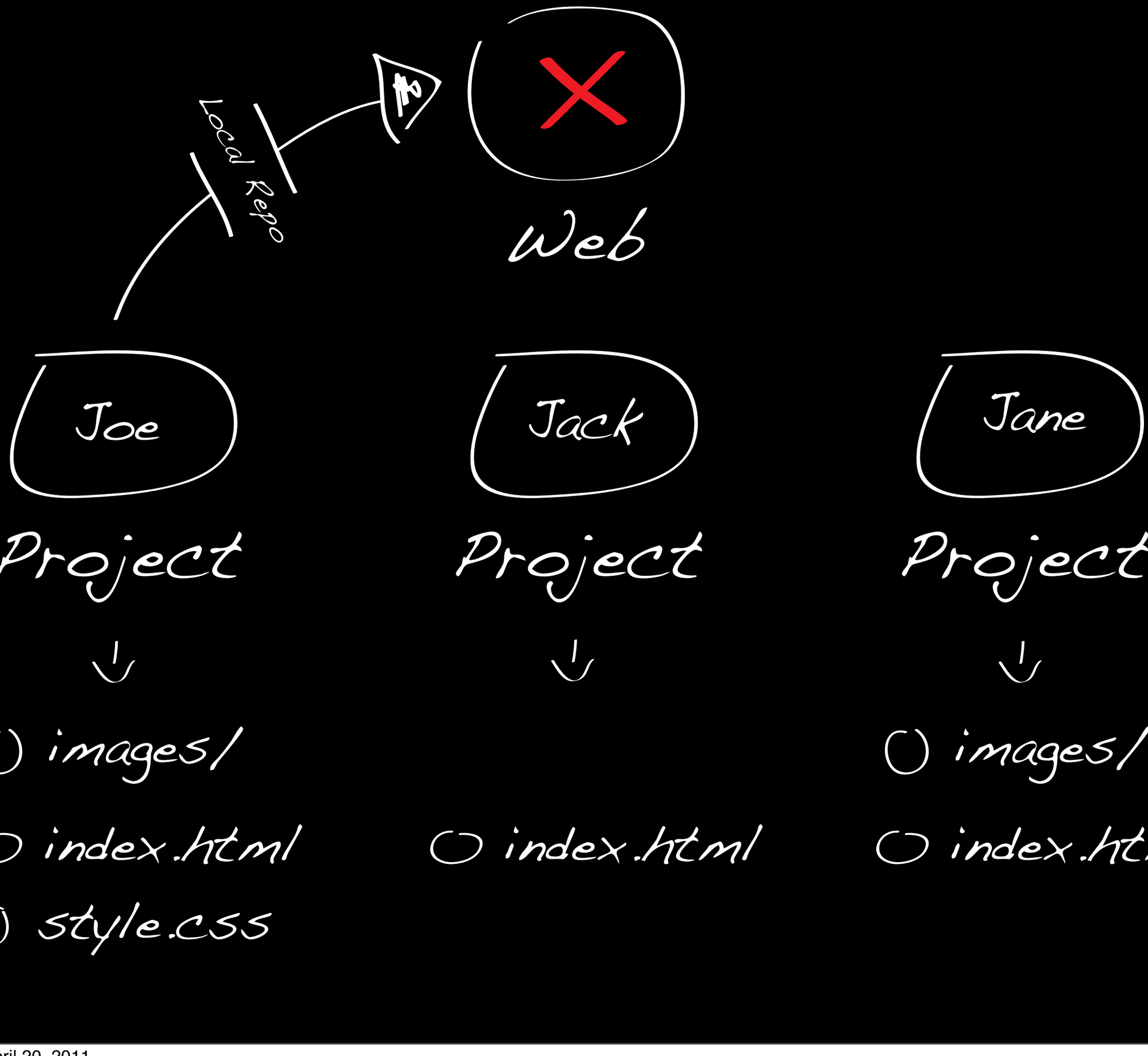
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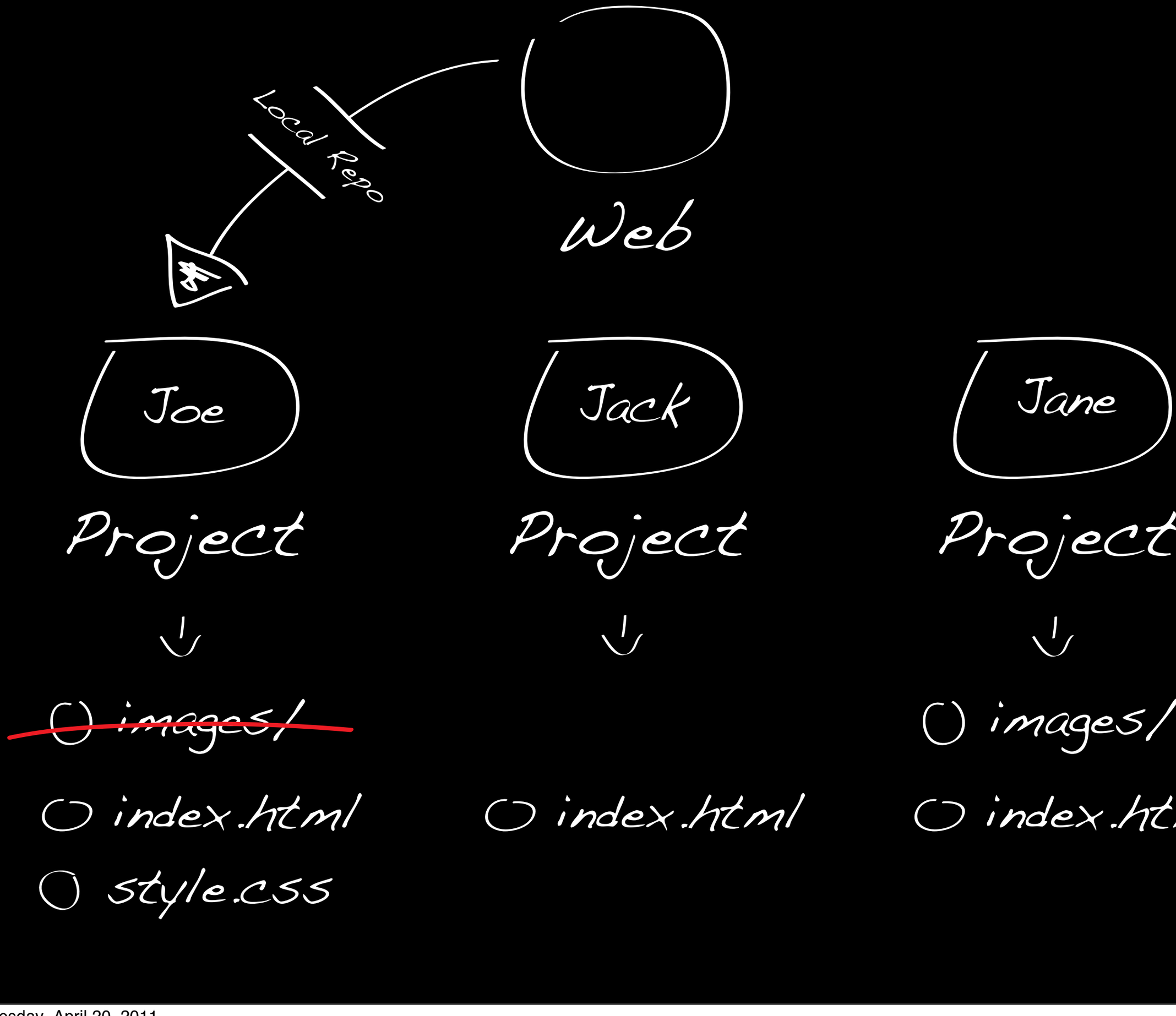
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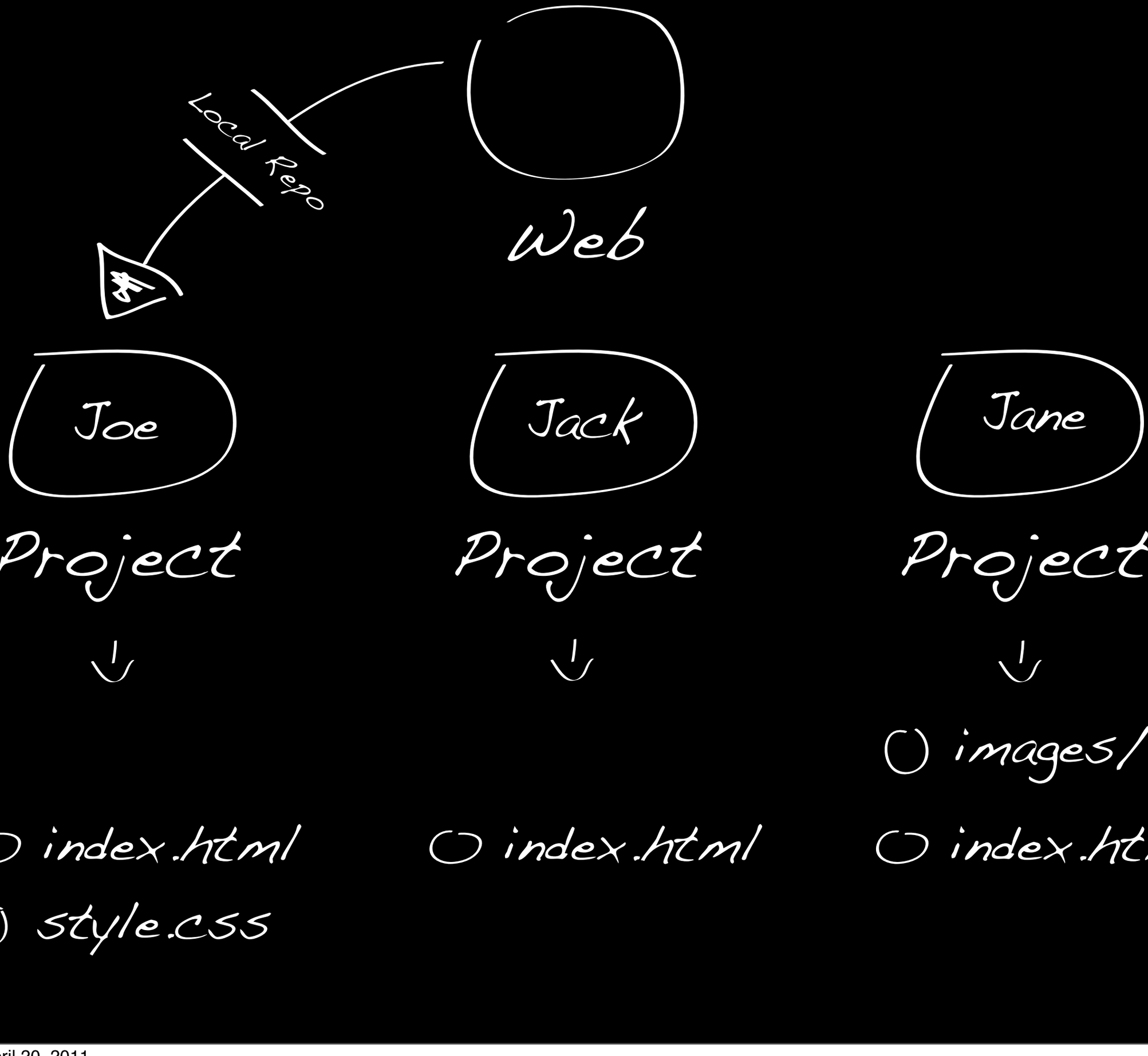
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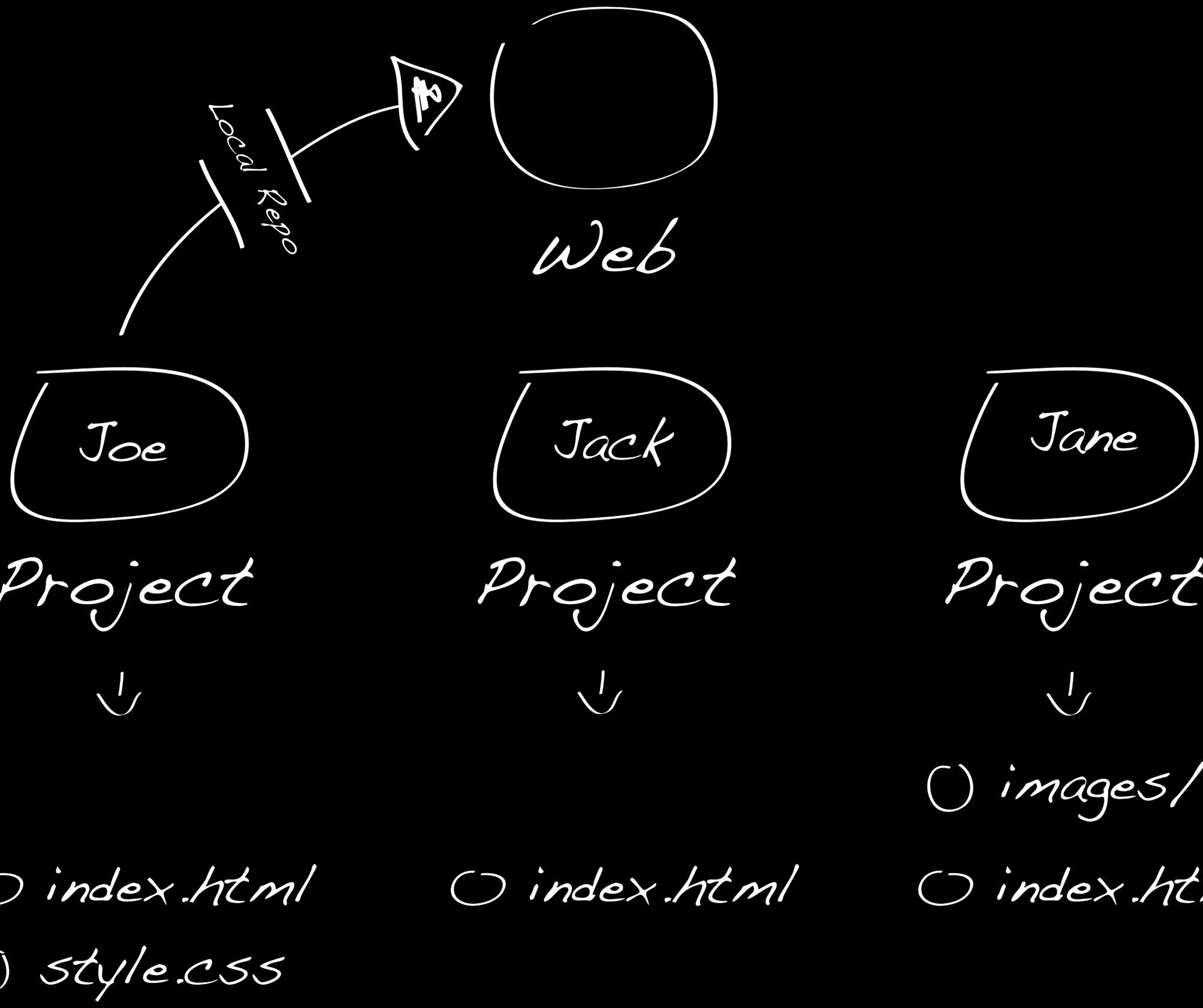
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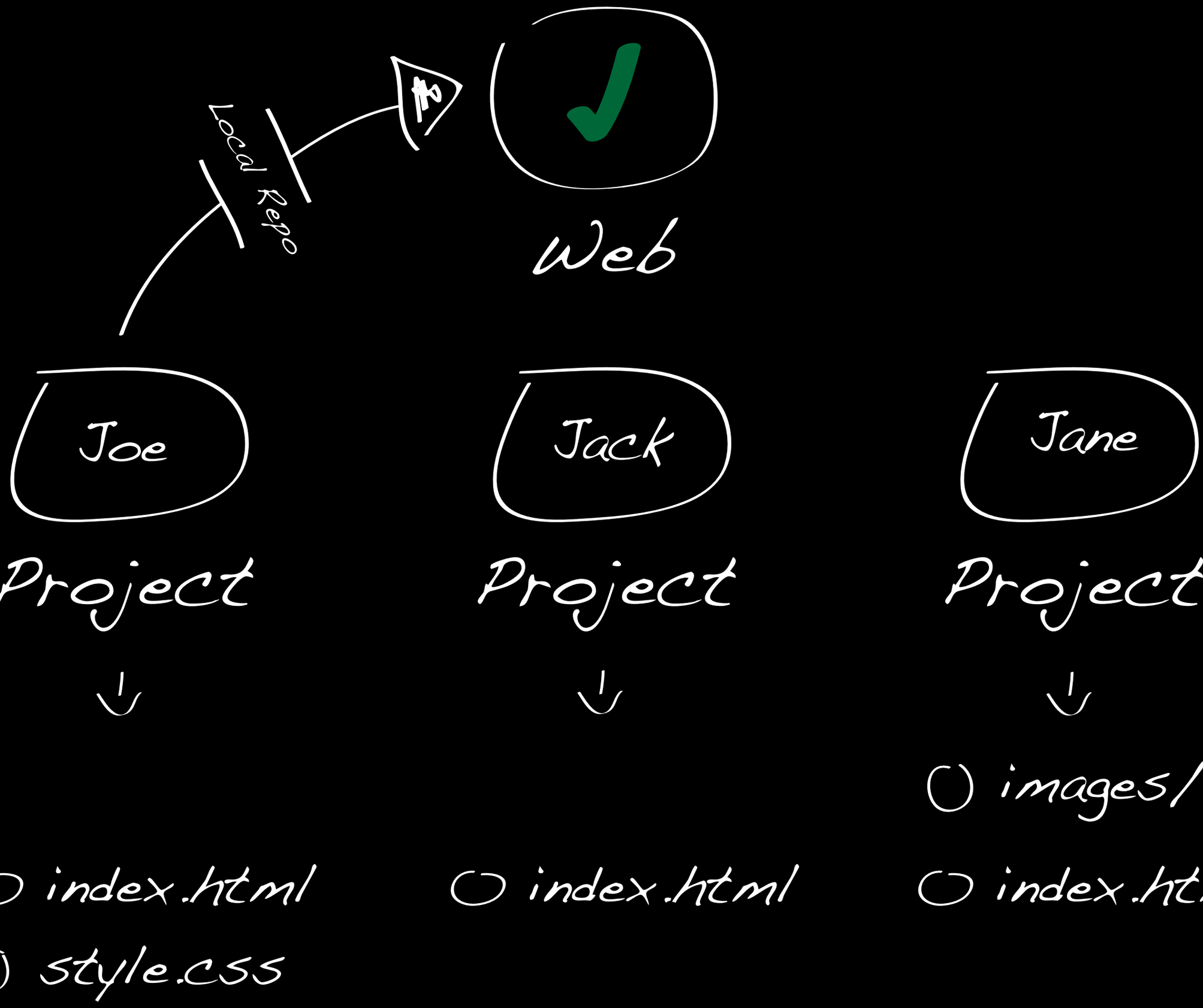
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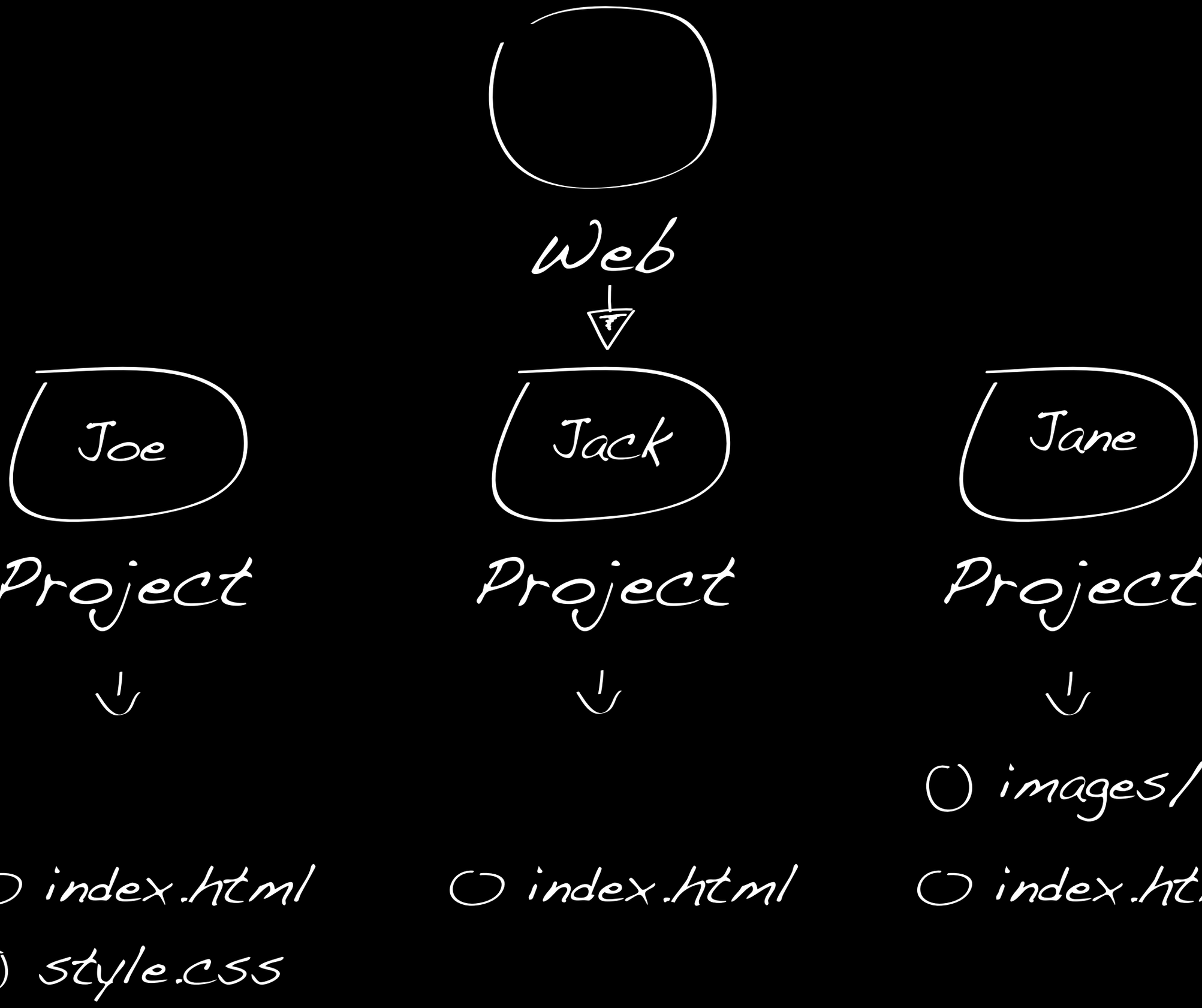
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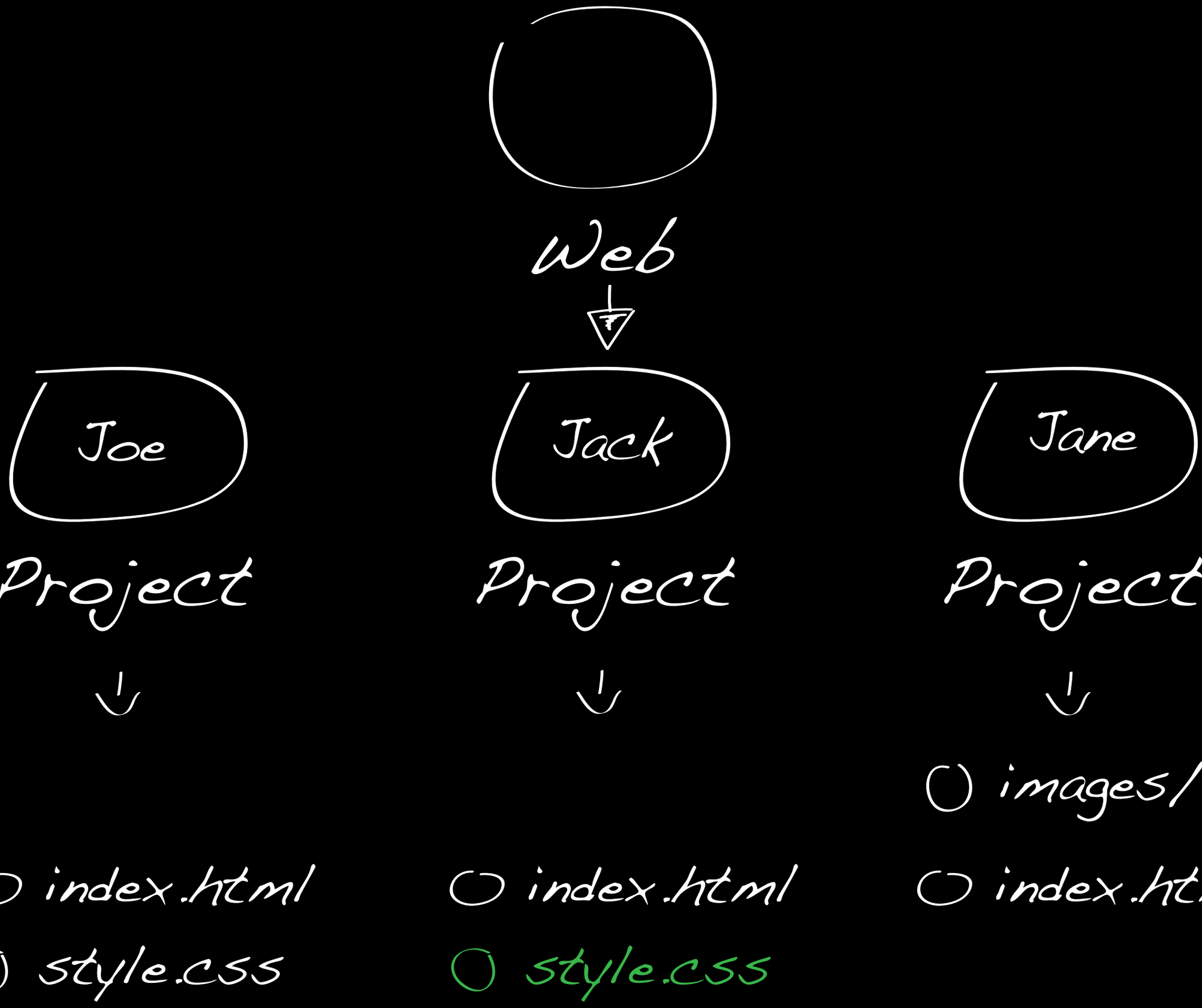
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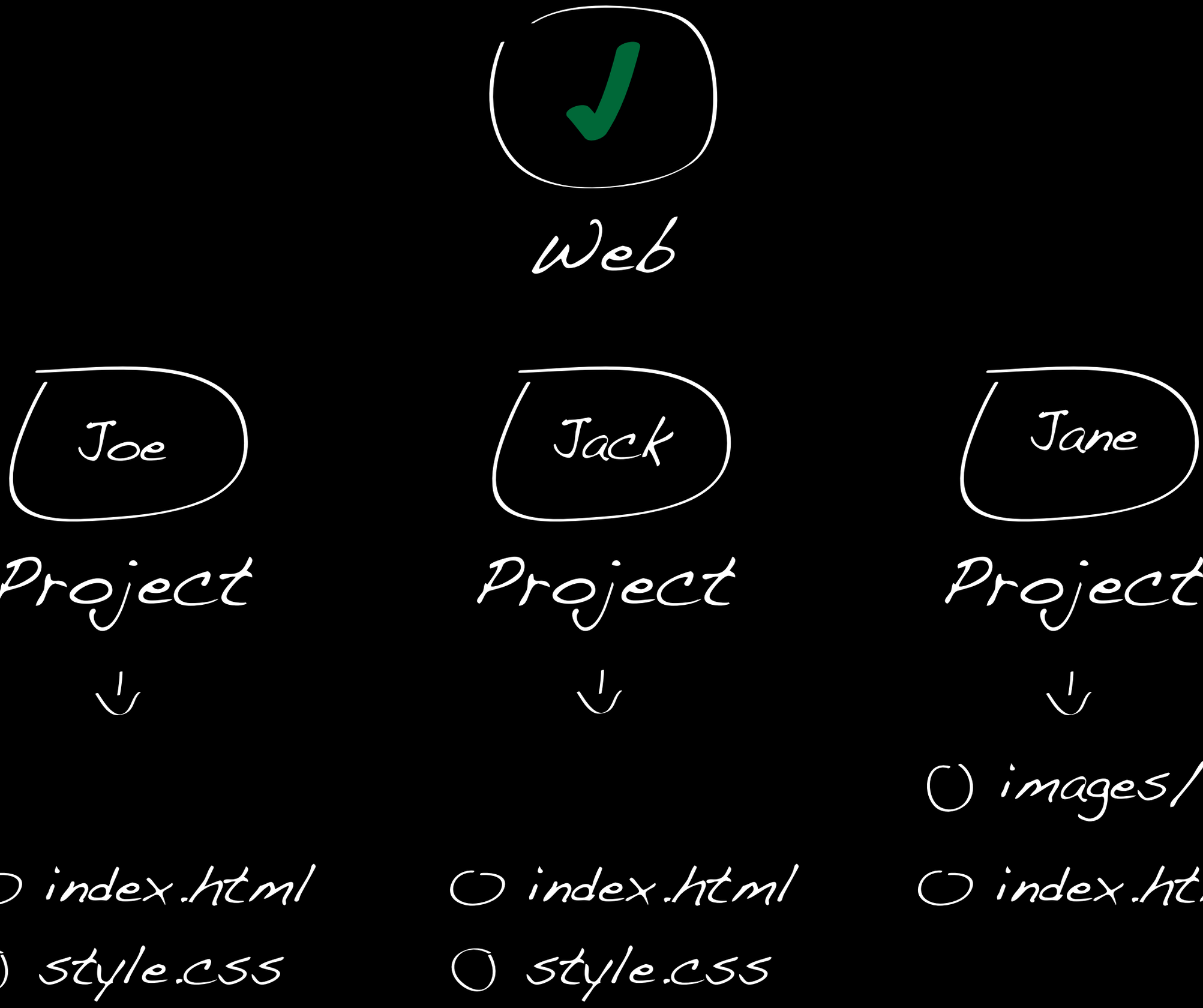
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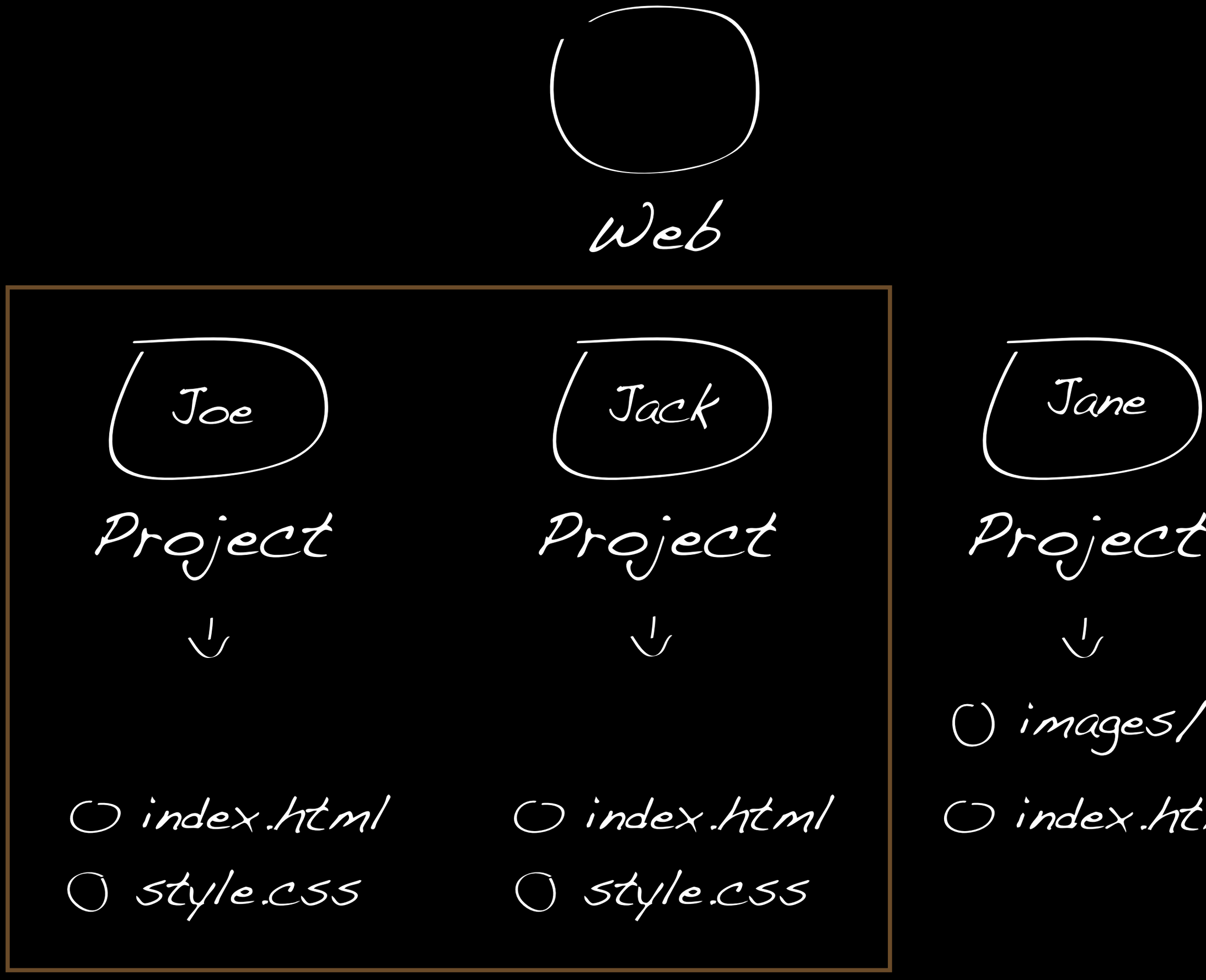
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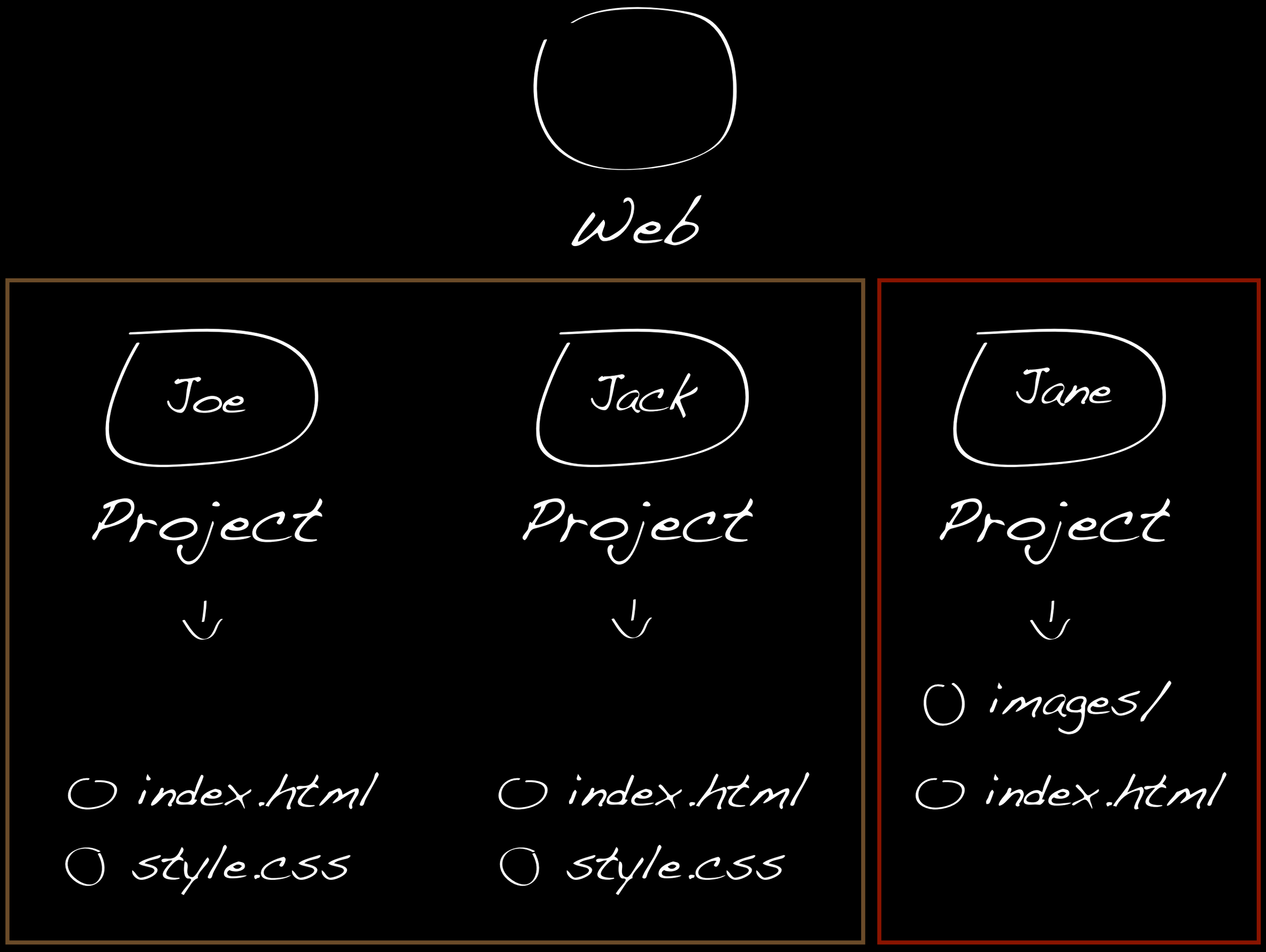
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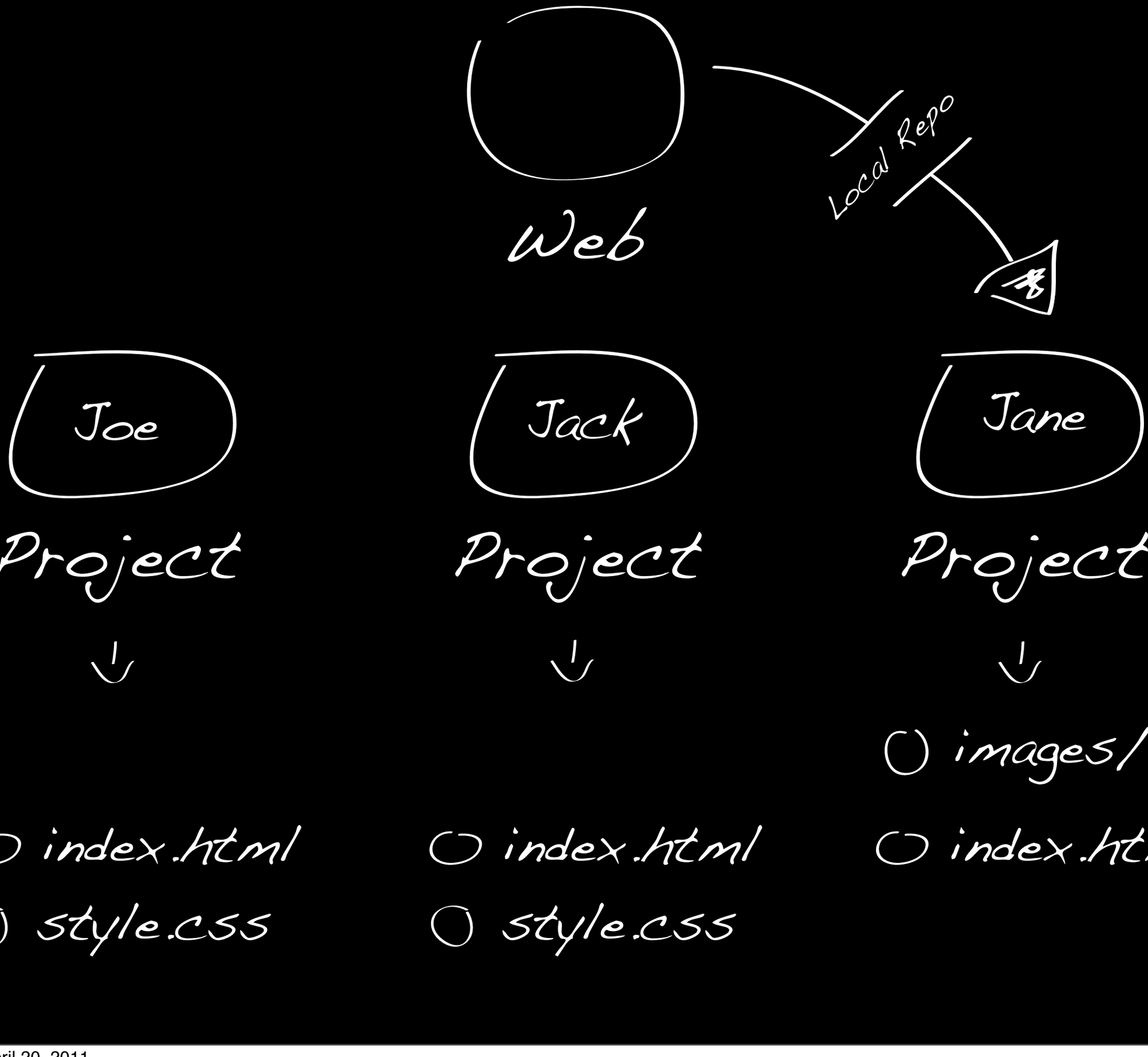
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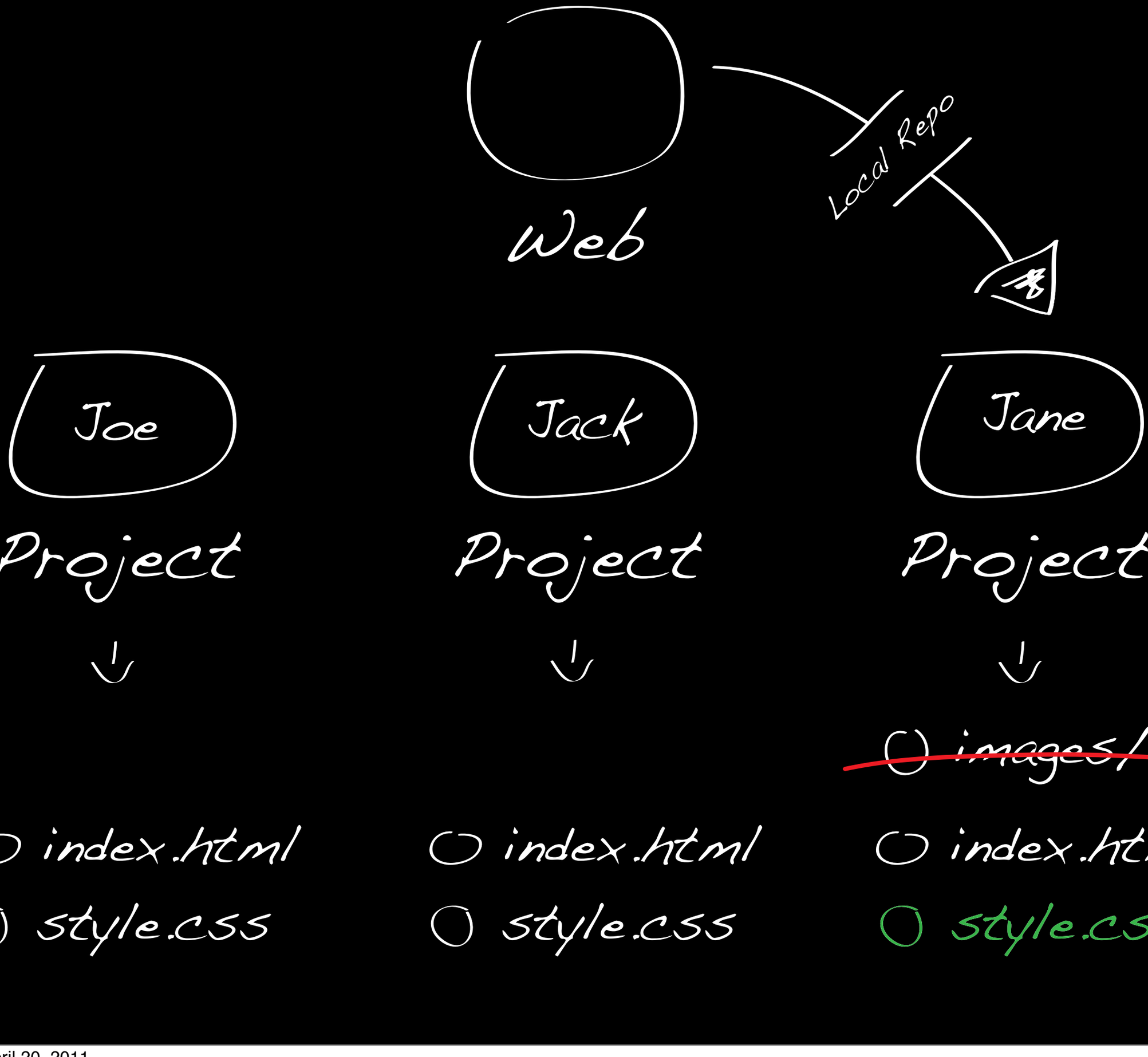
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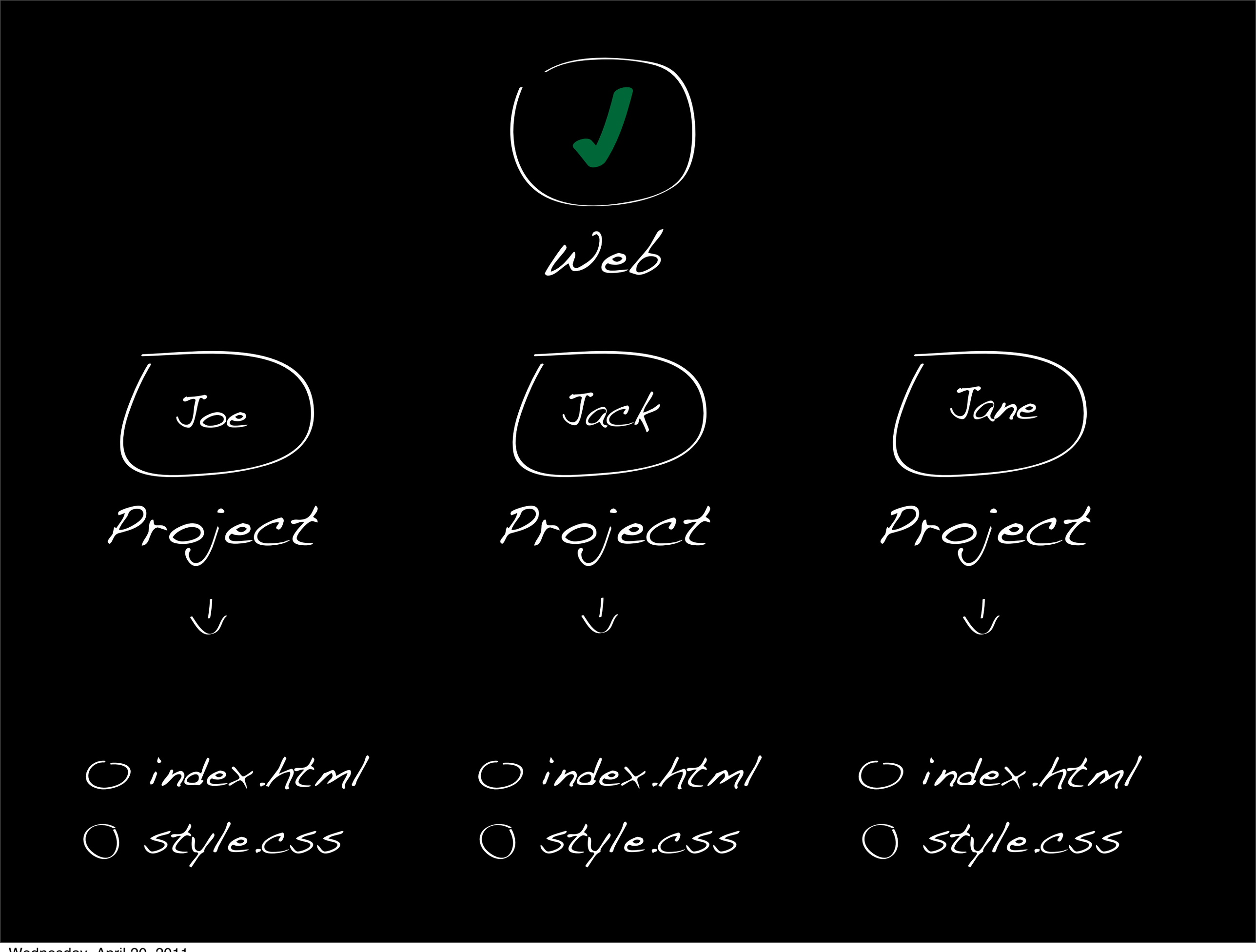
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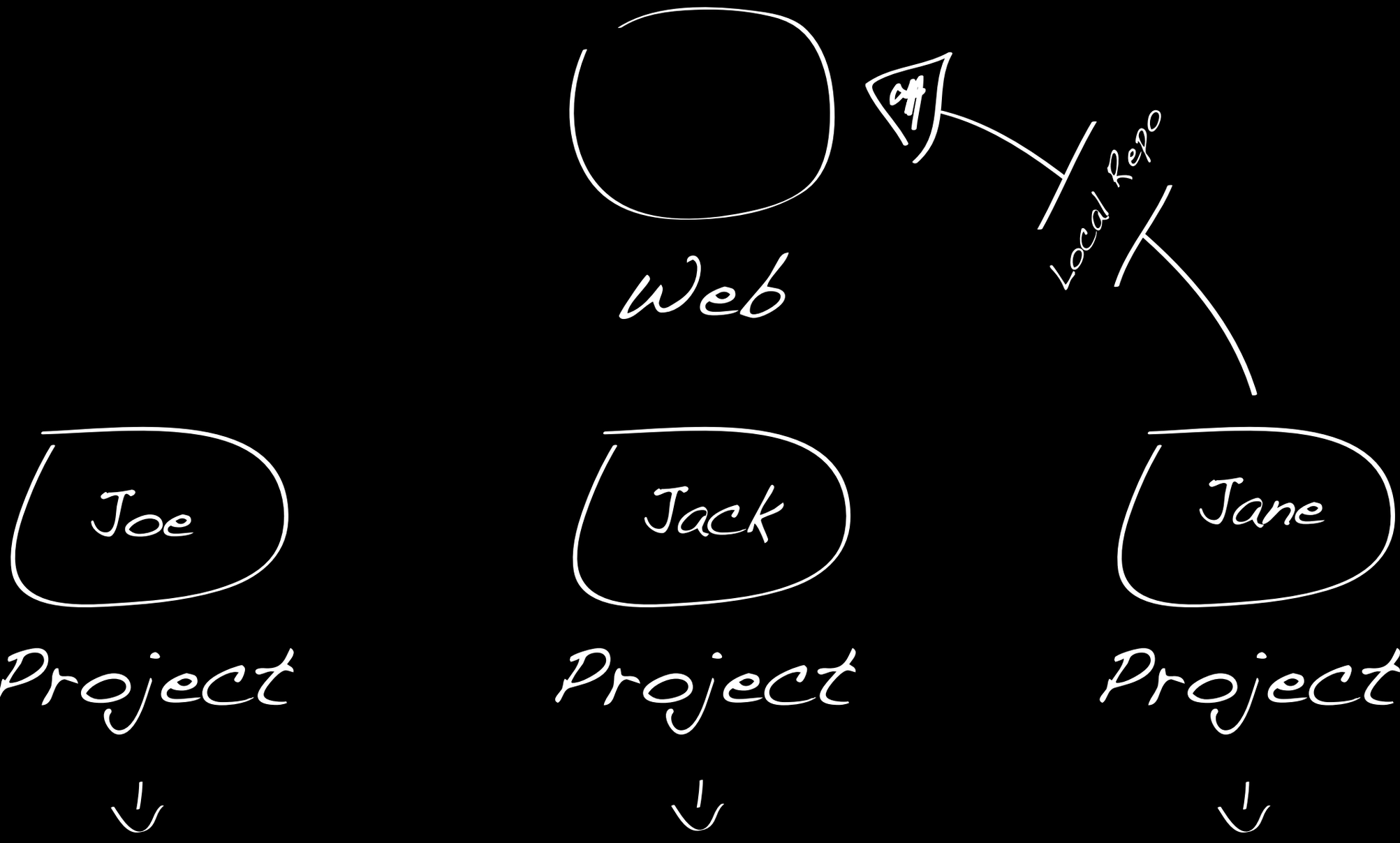
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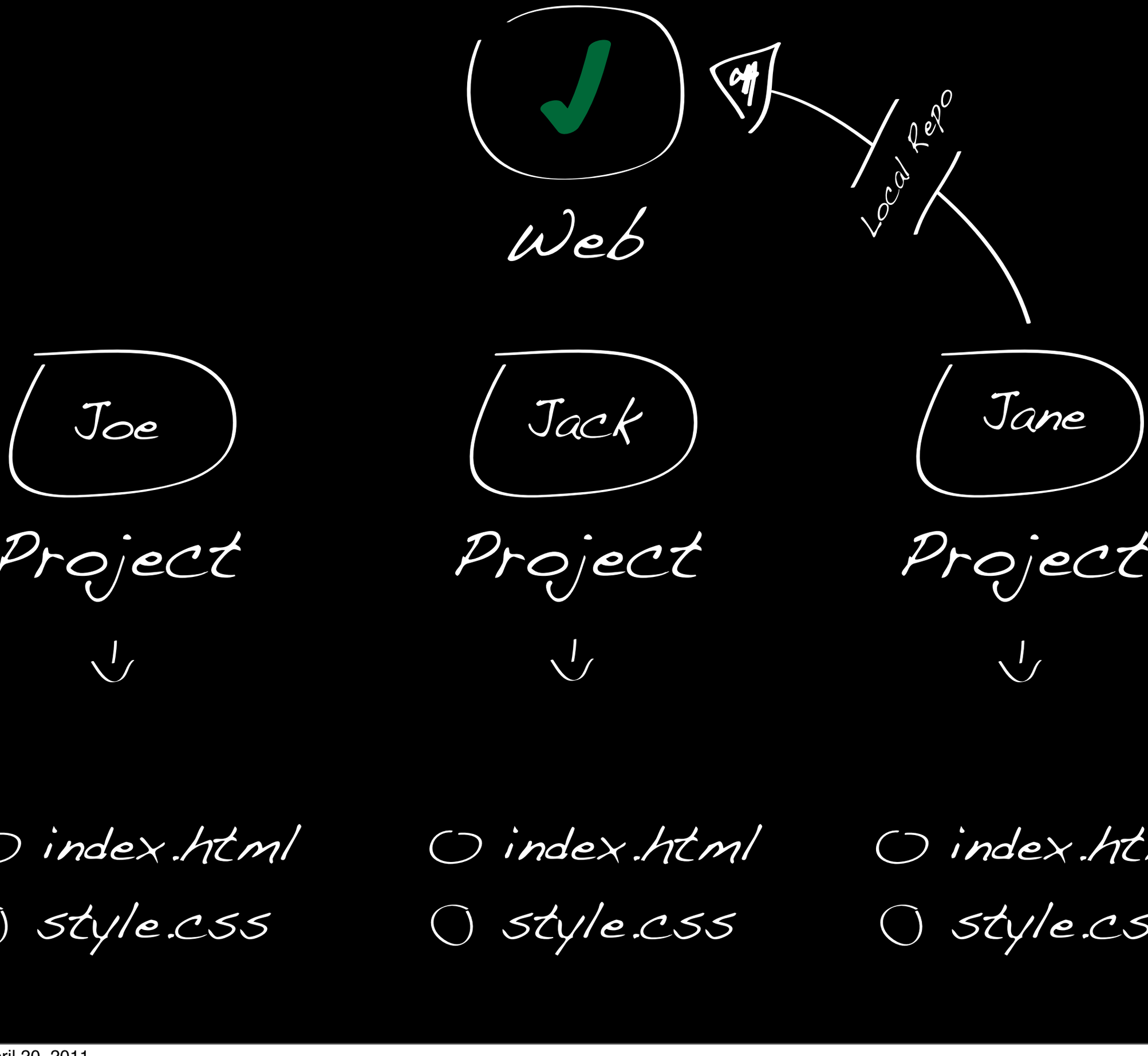
Web
Local Repo
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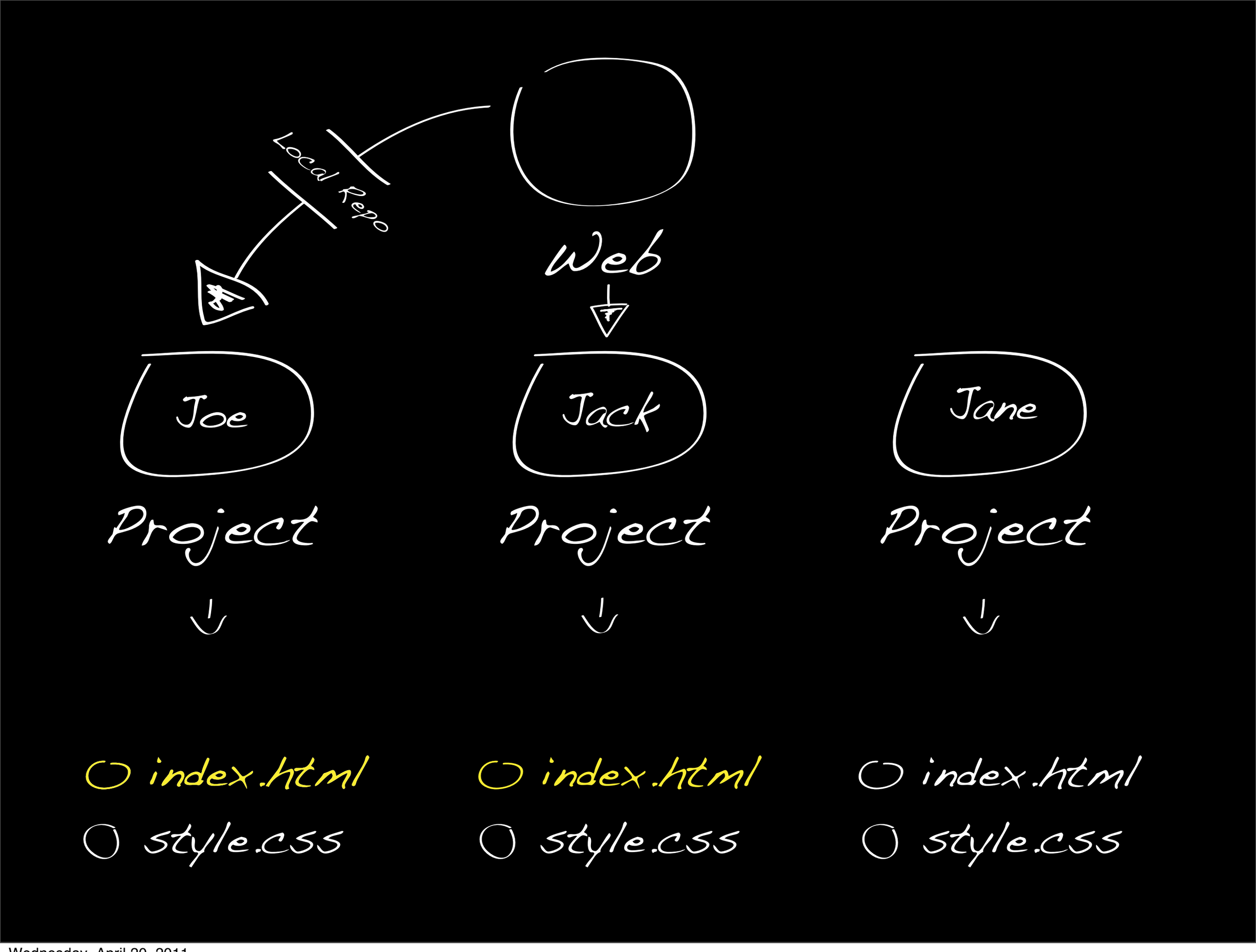
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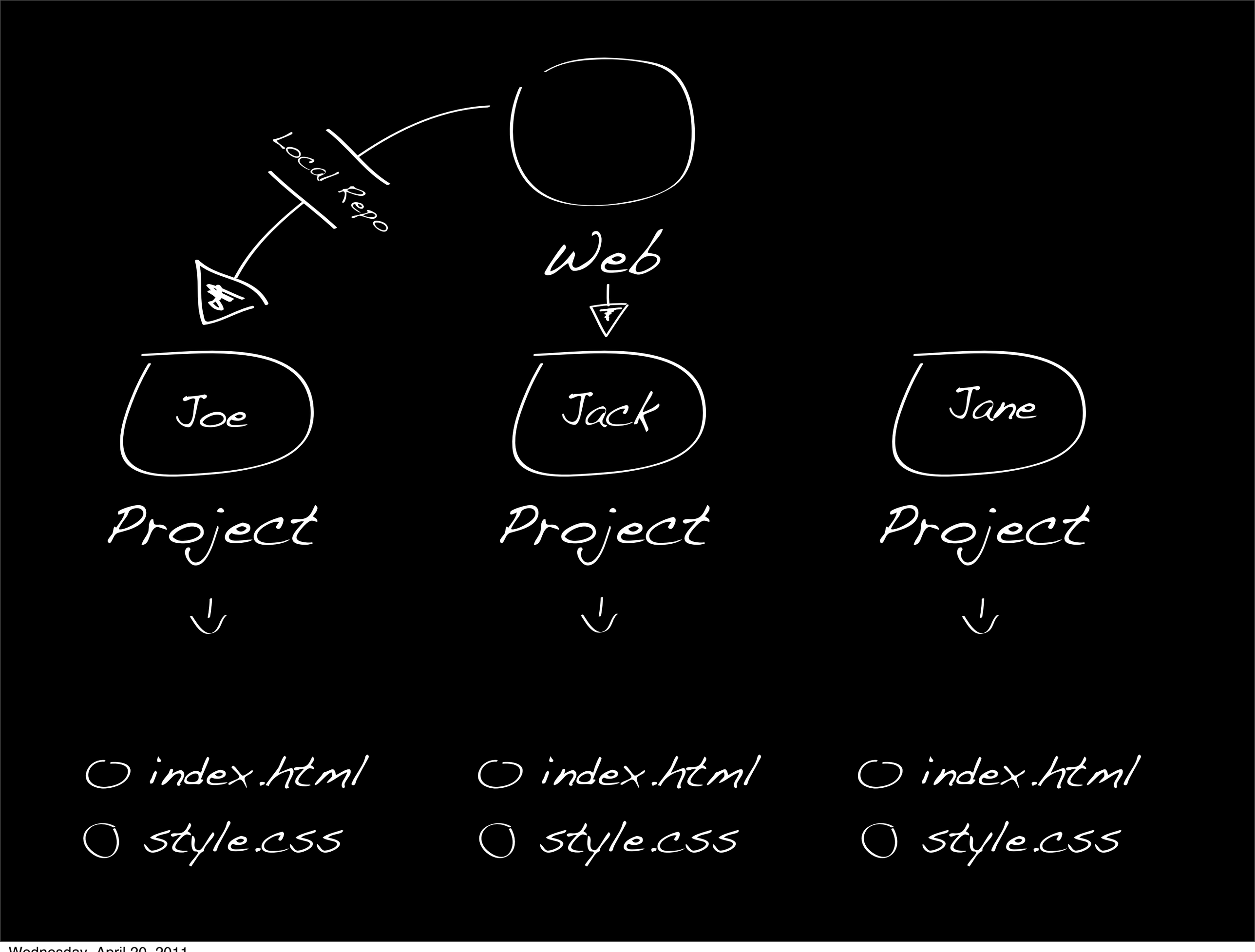
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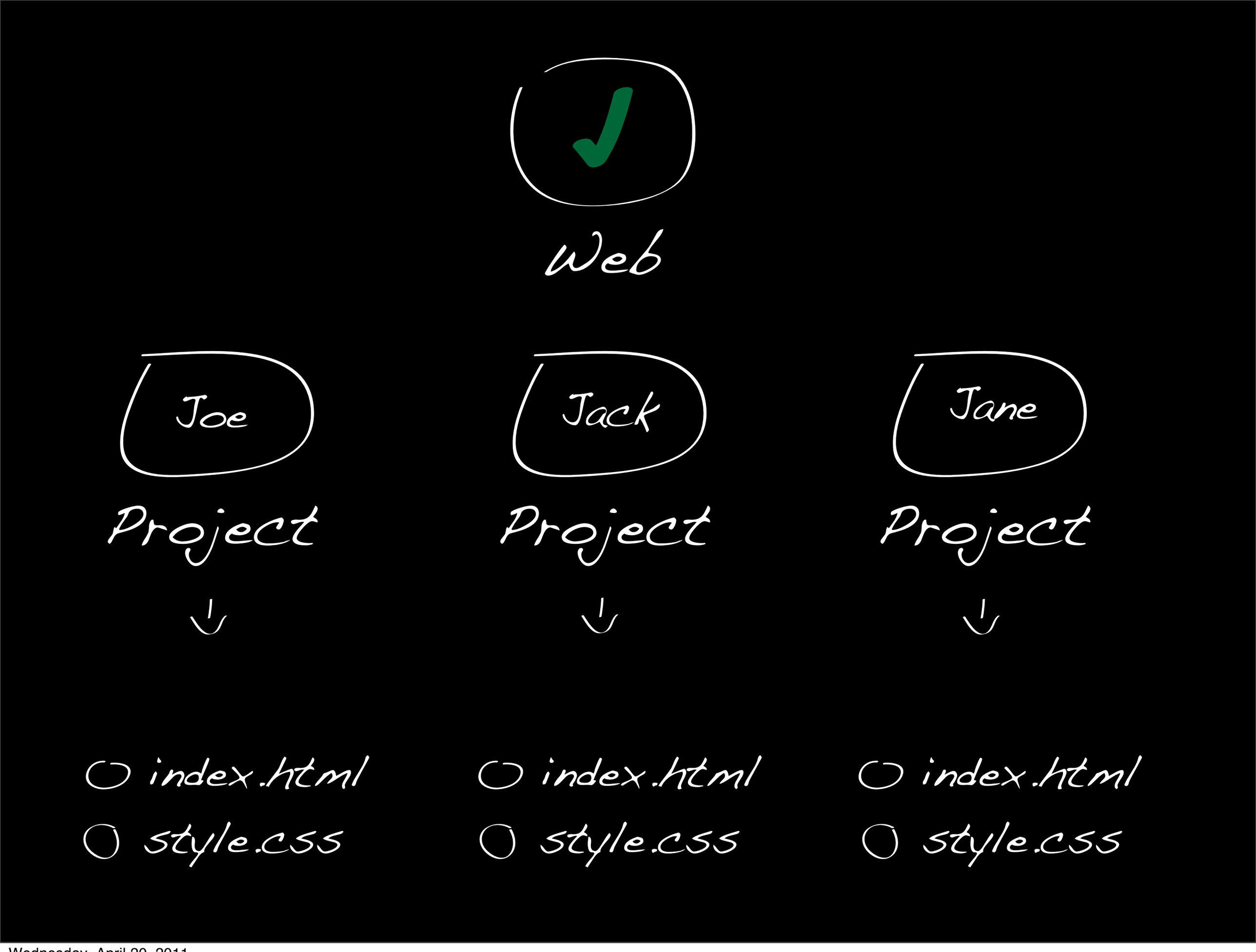
Web
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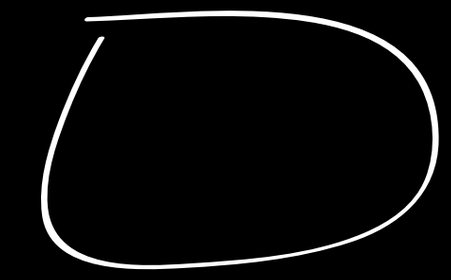
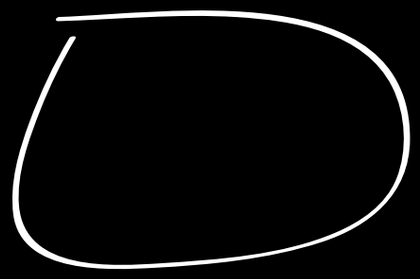
Snapshots



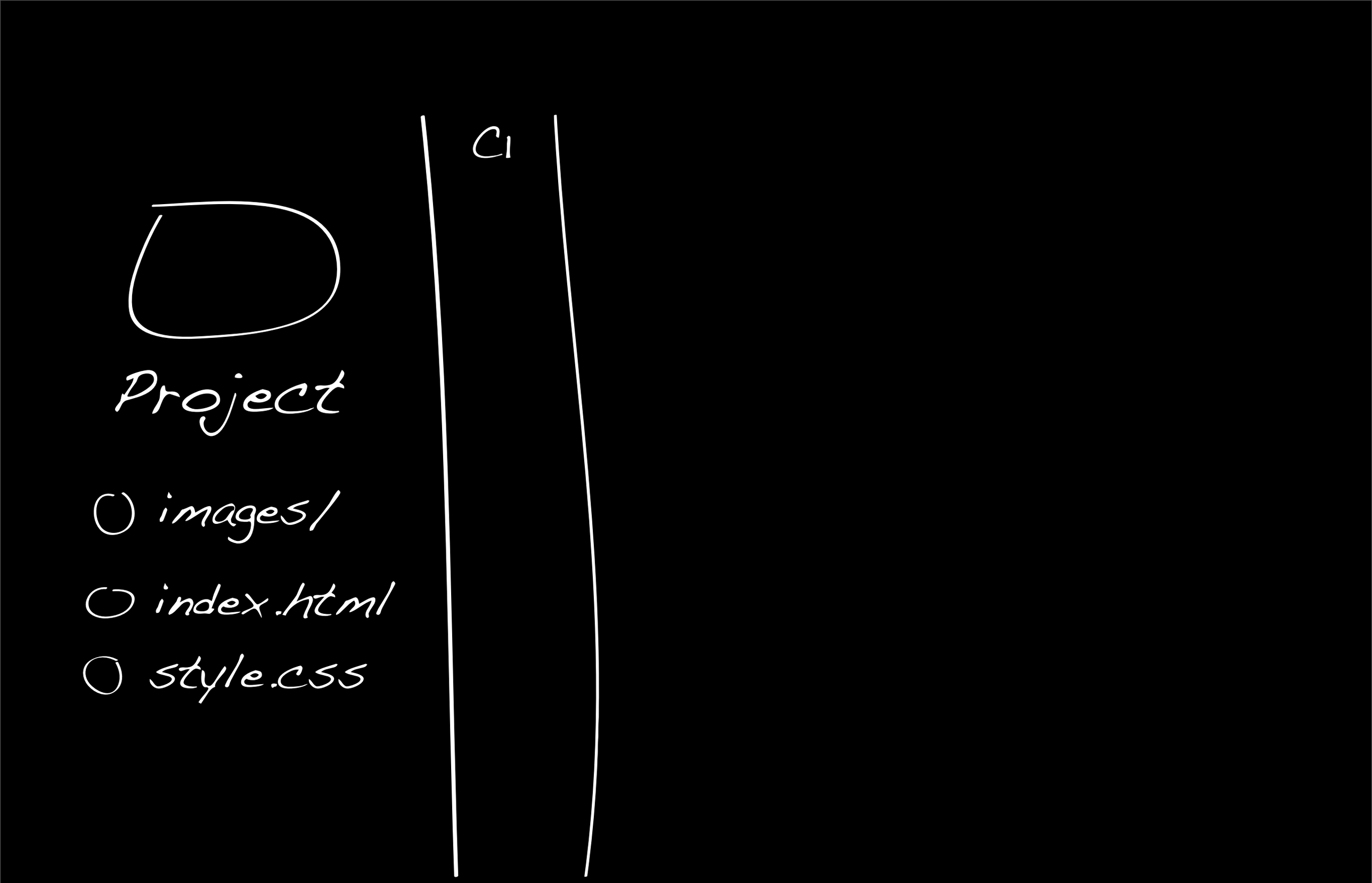
Project

- images/
- index.html
- style.css



Project

- images/
- index.html
- style.css


C1
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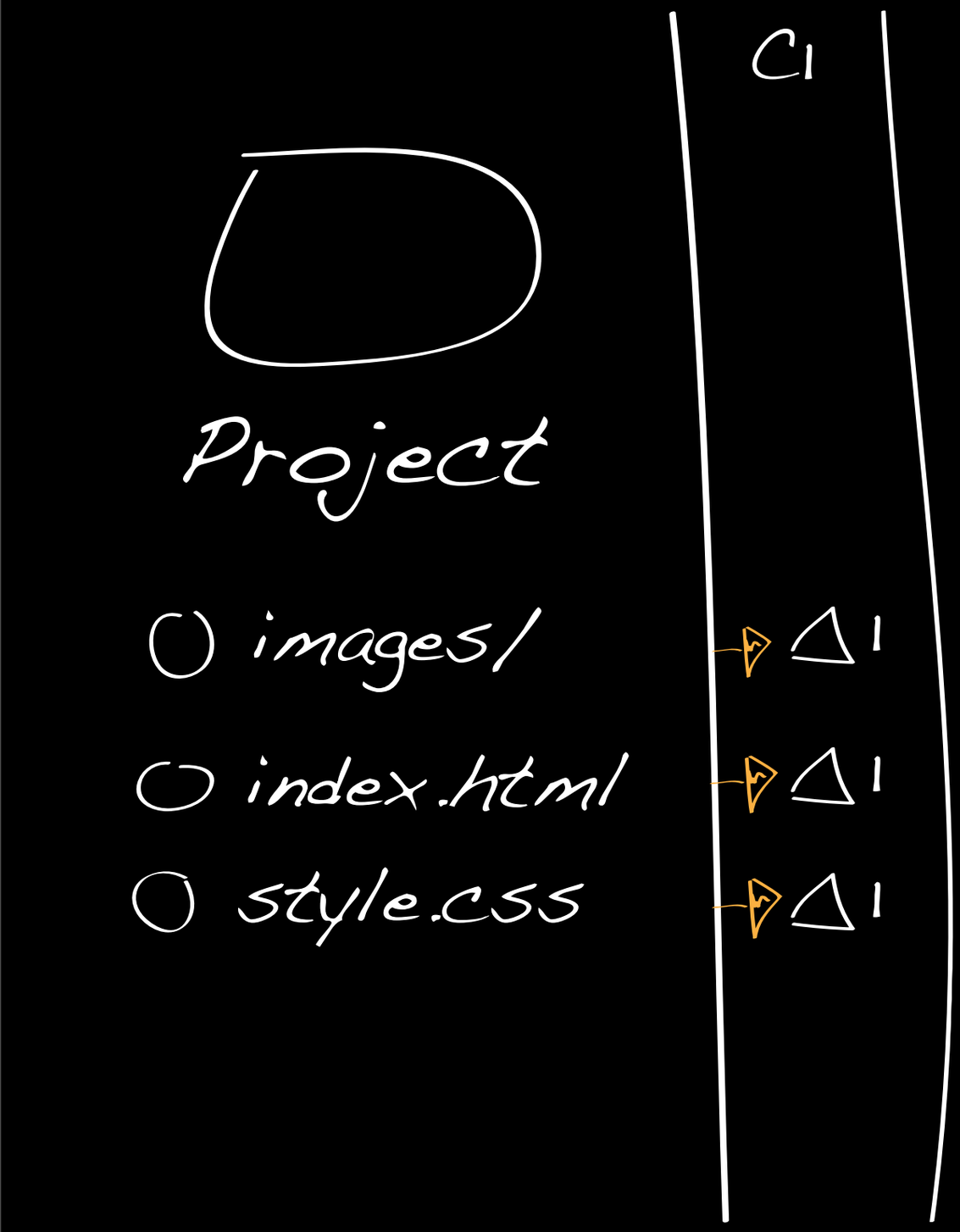
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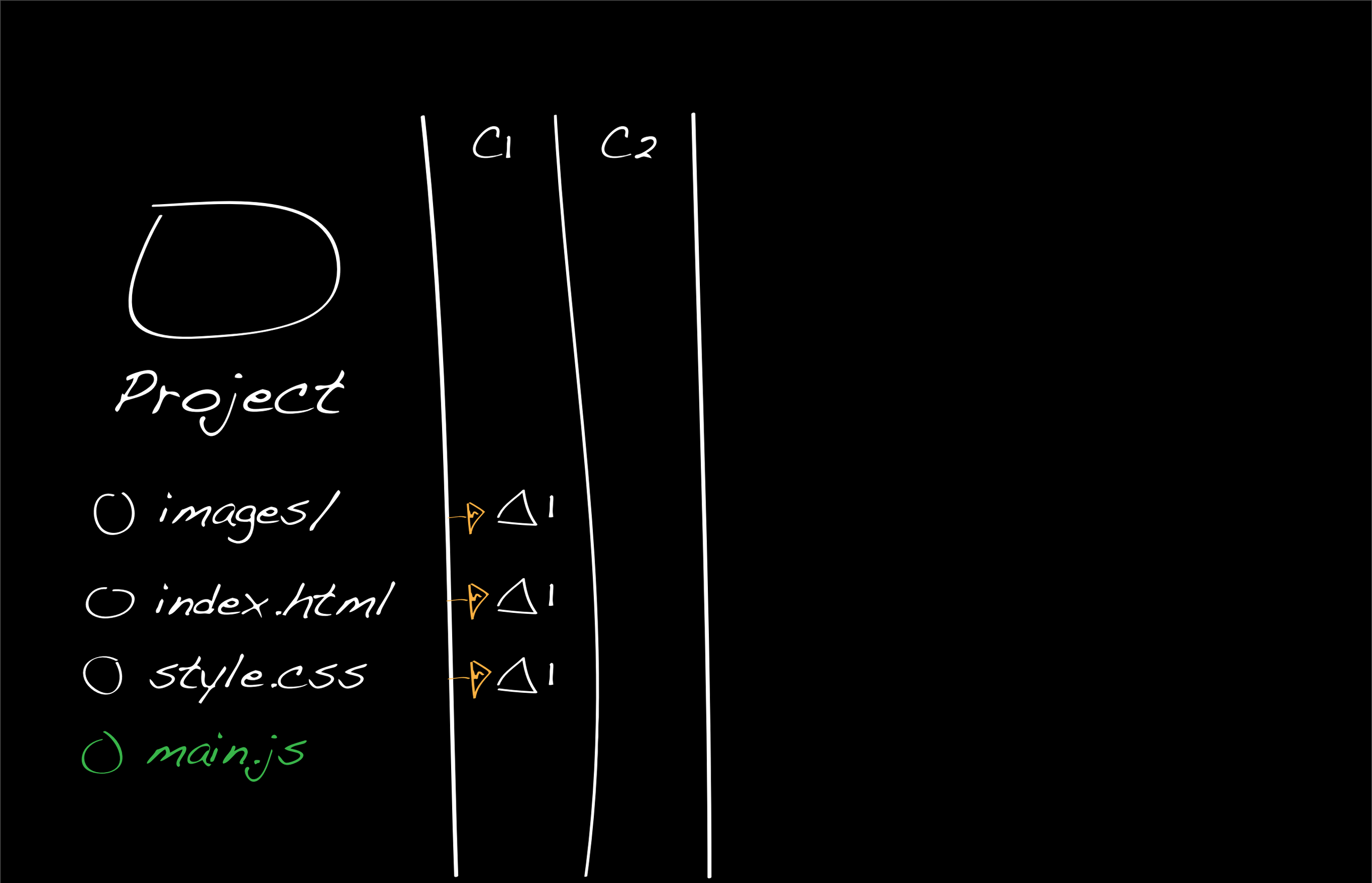
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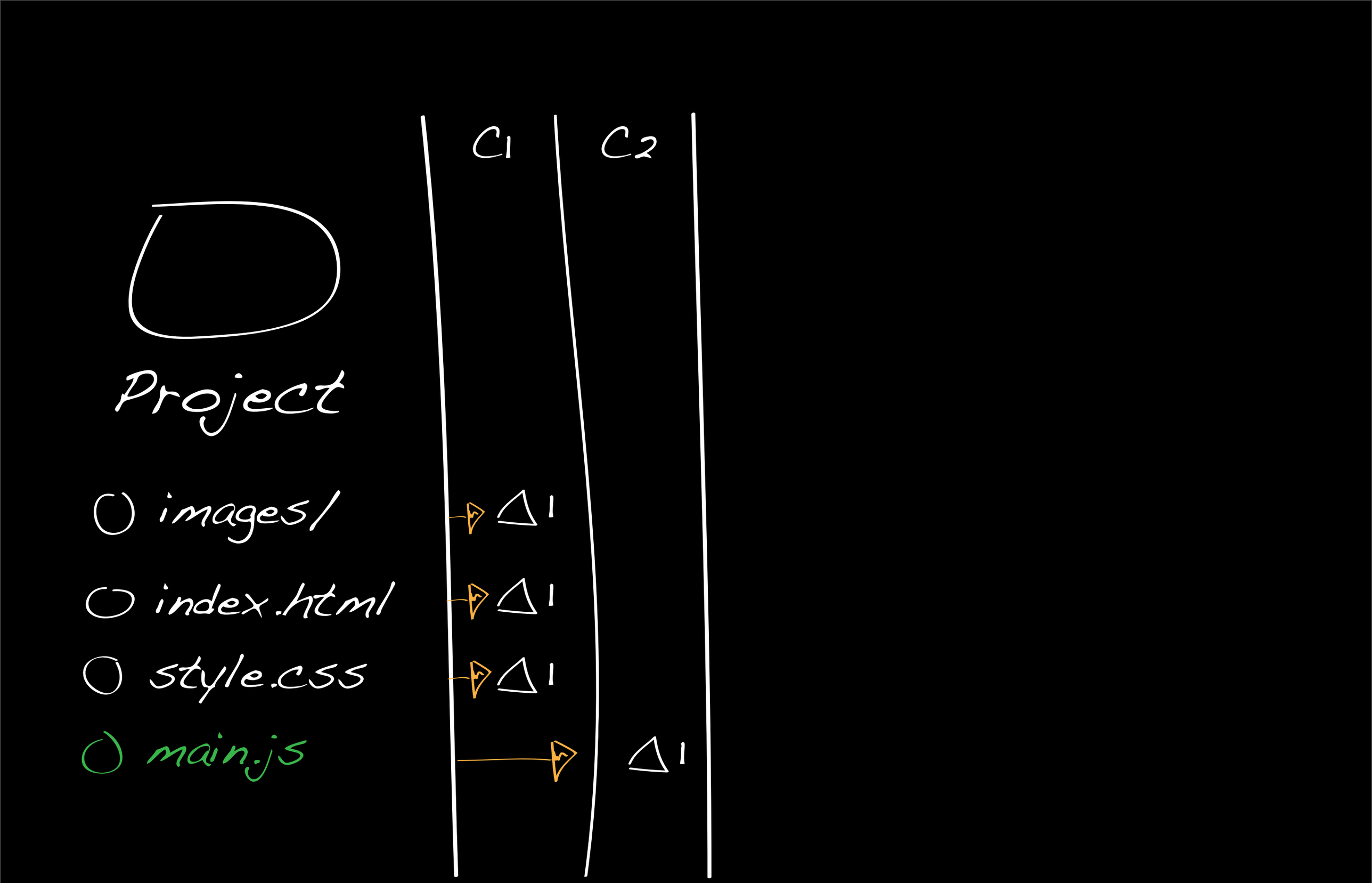
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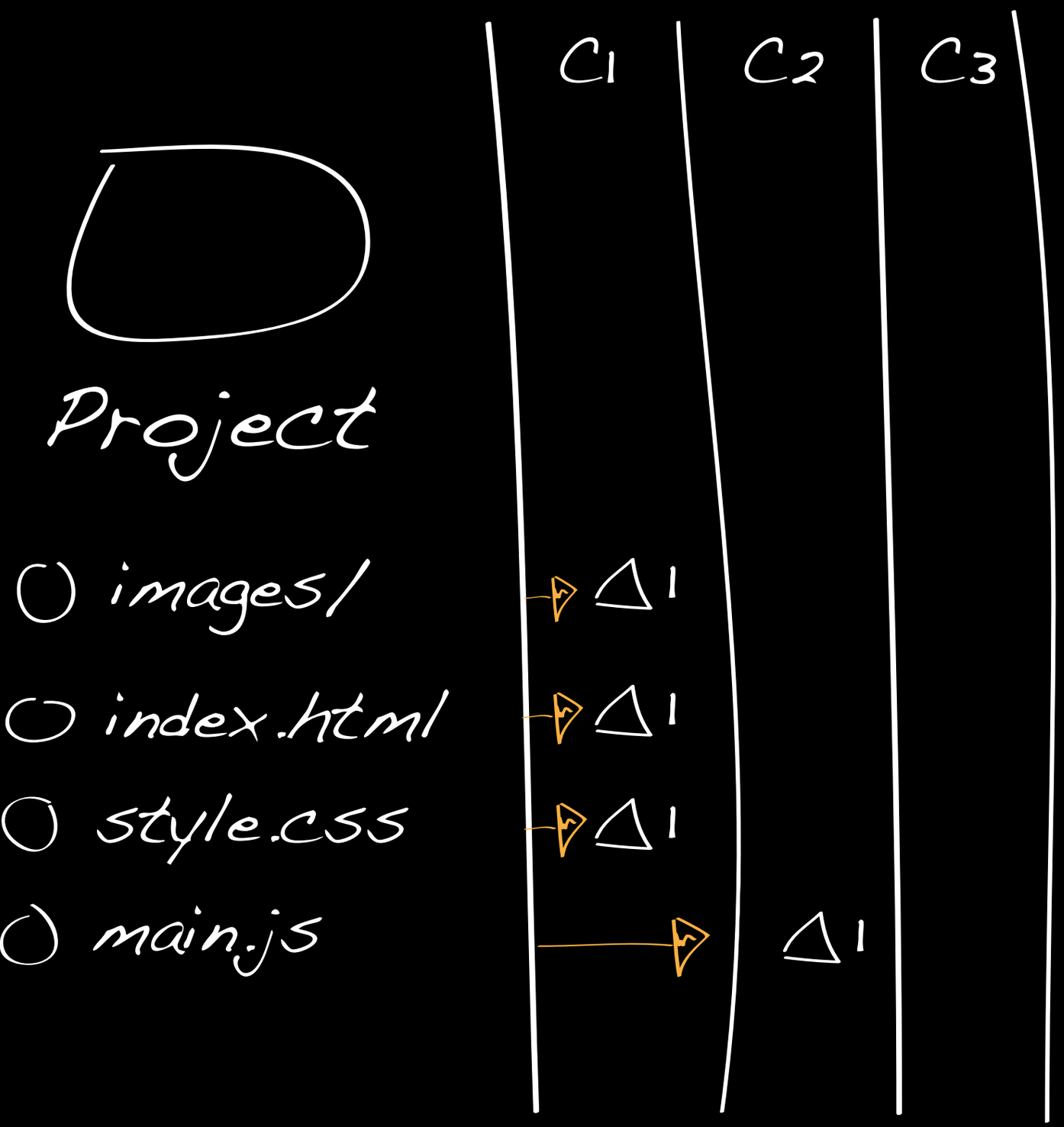
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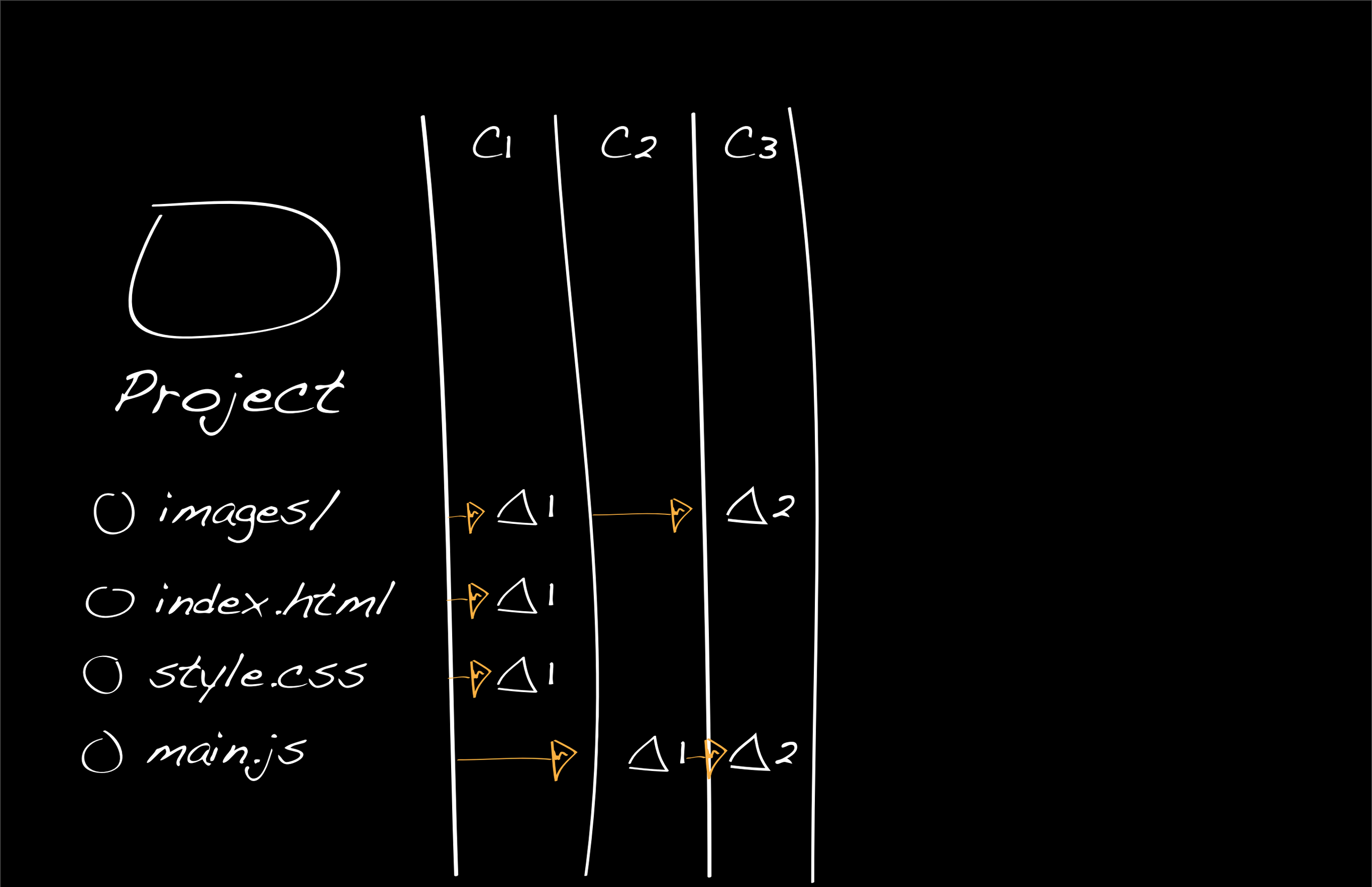
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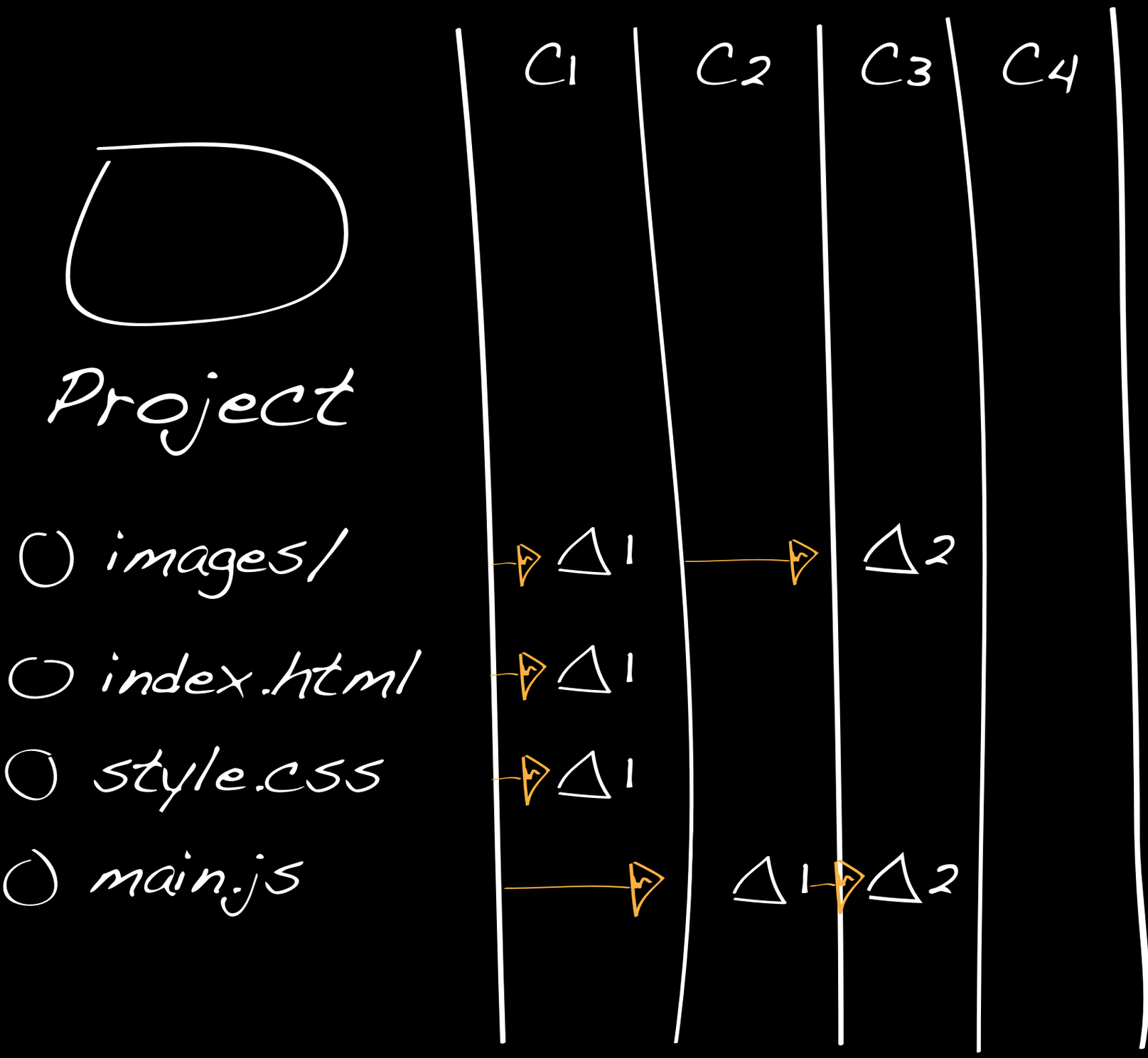
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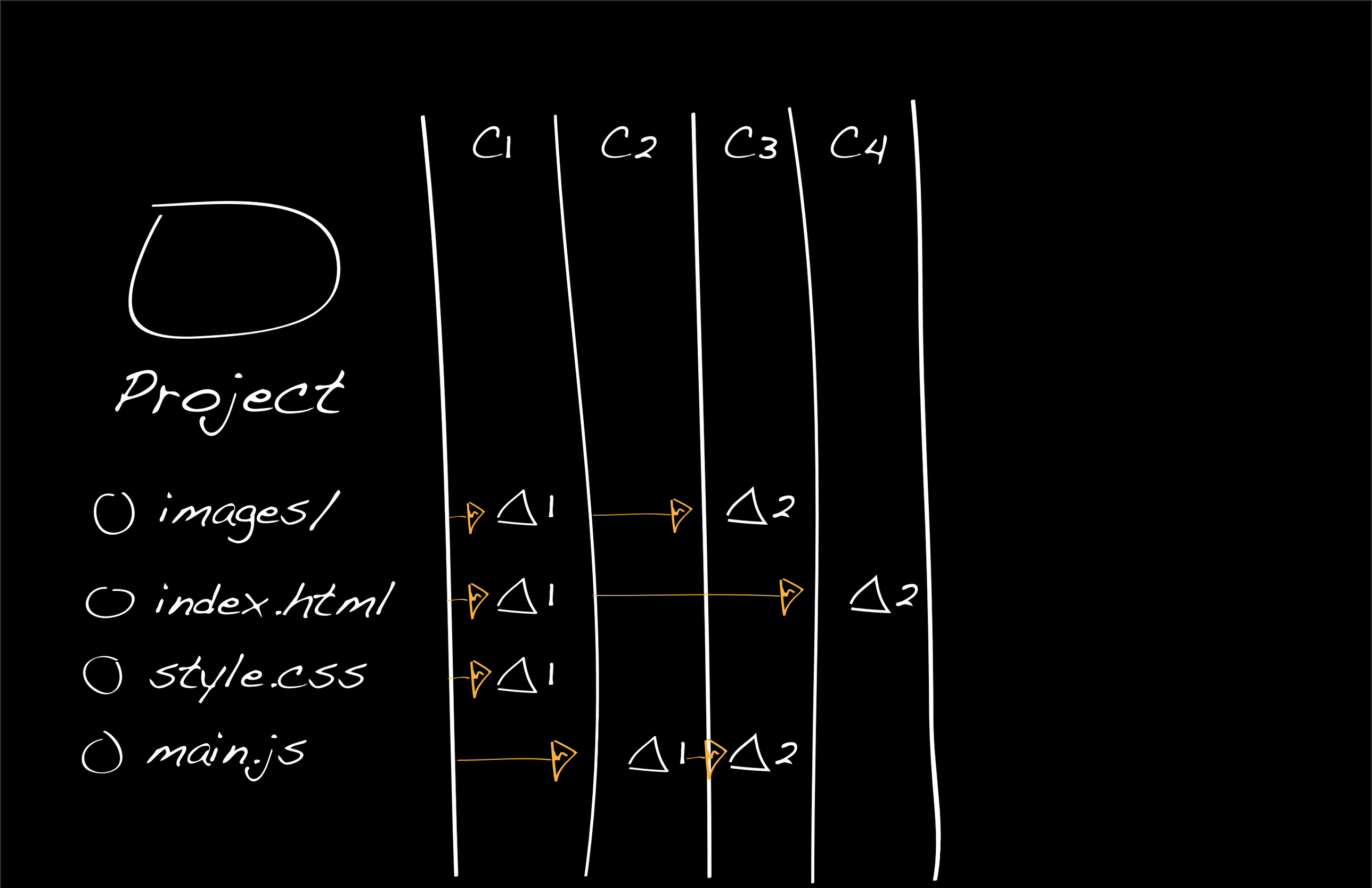
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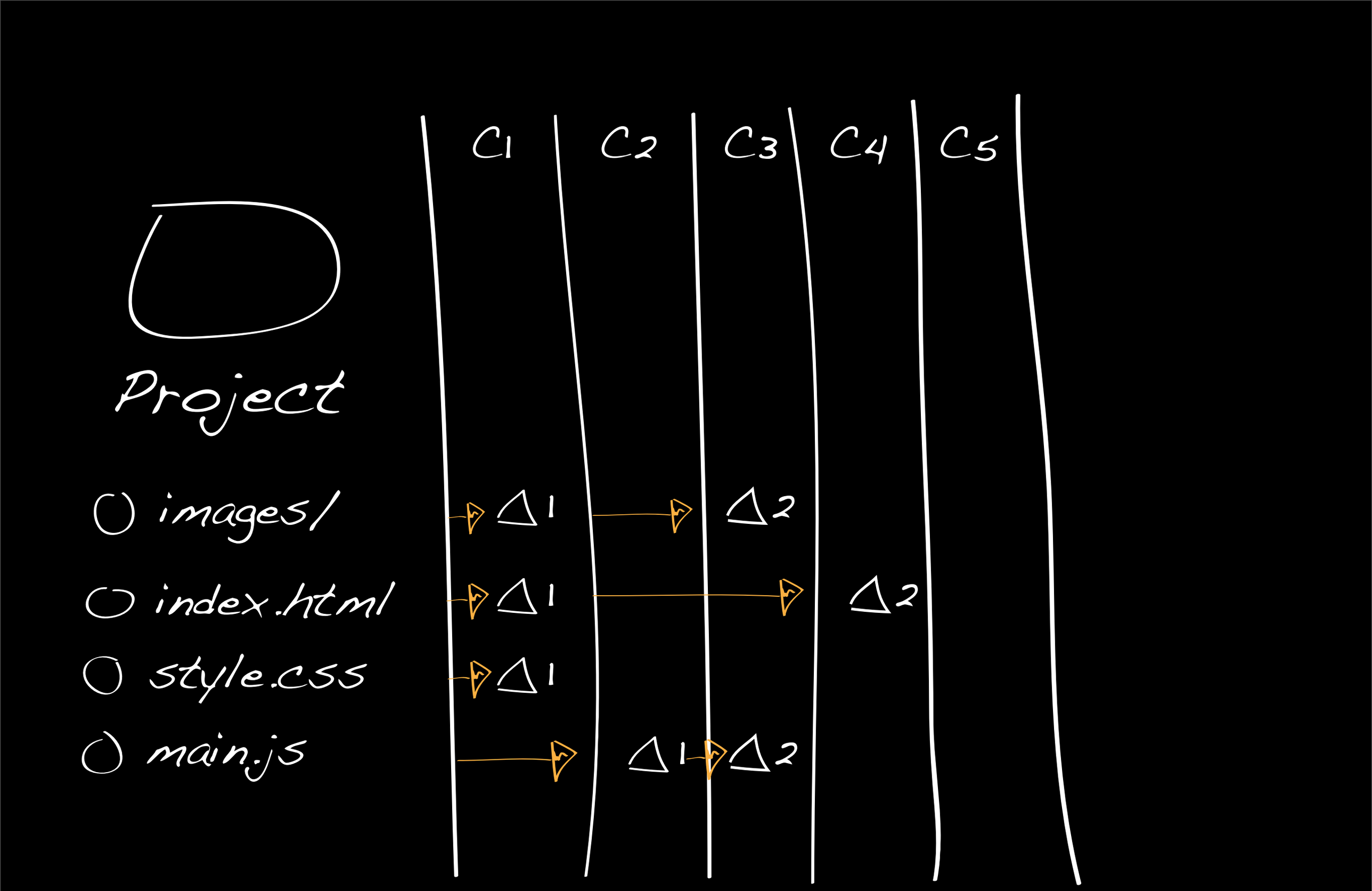
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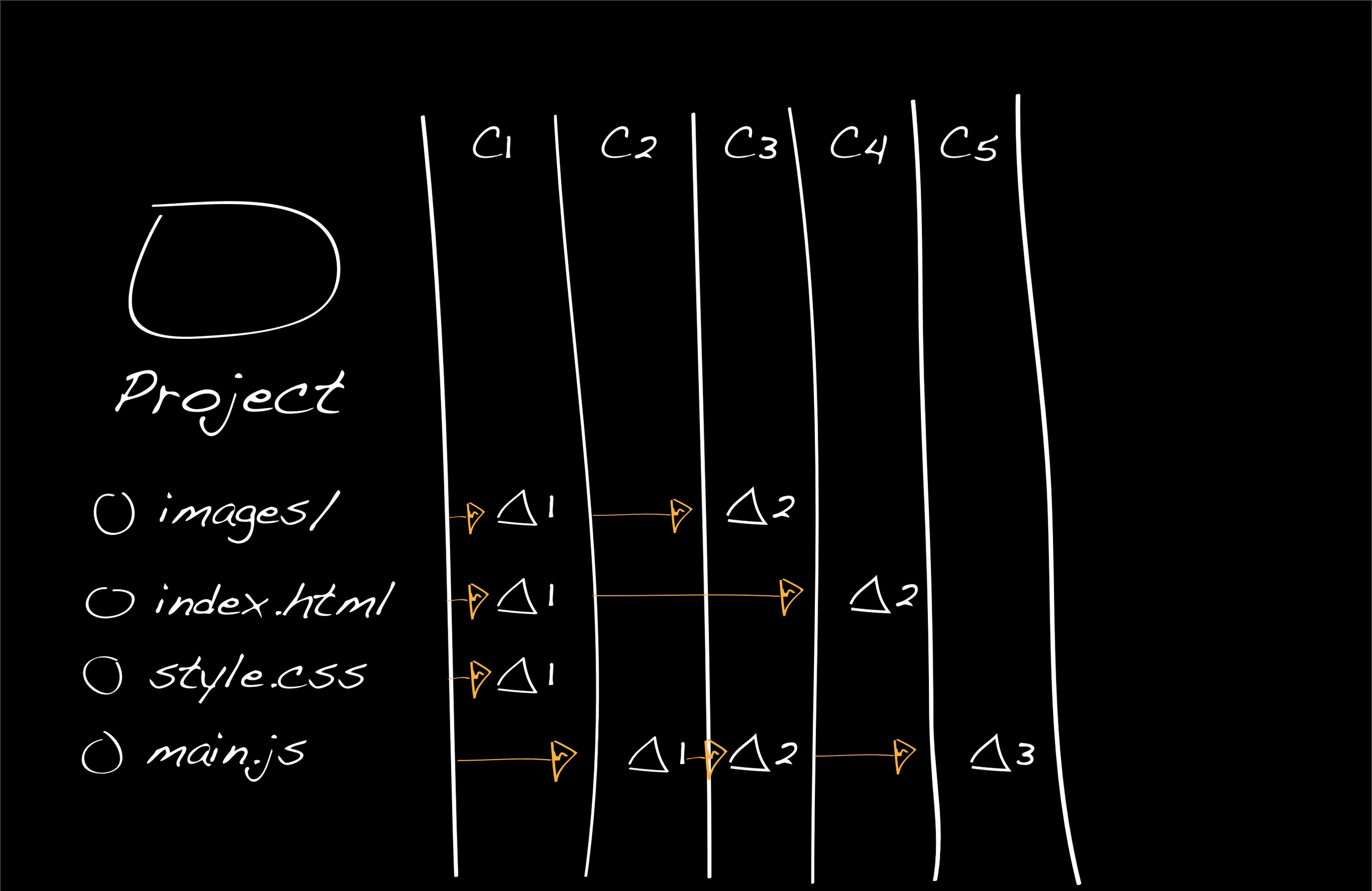
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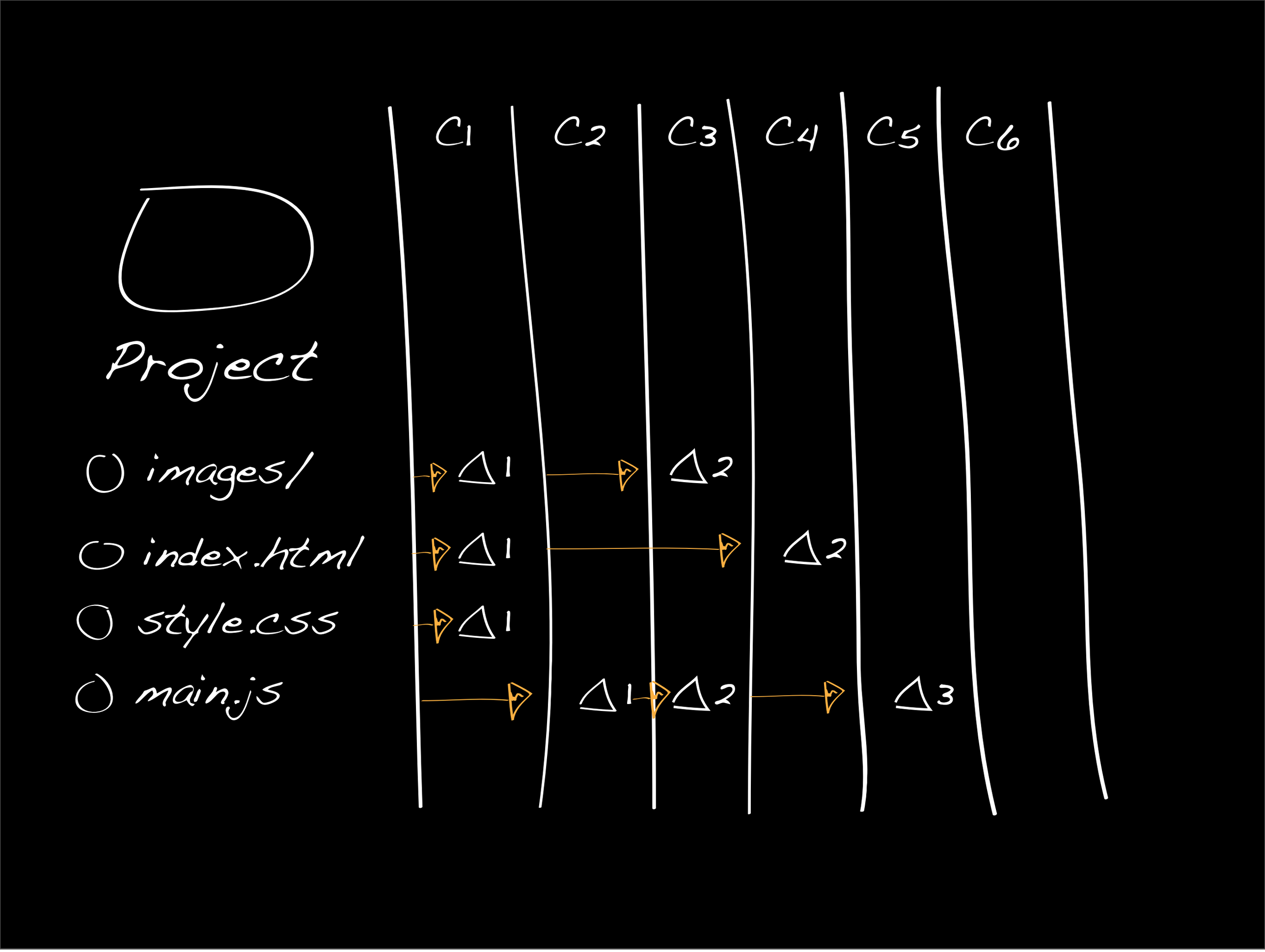
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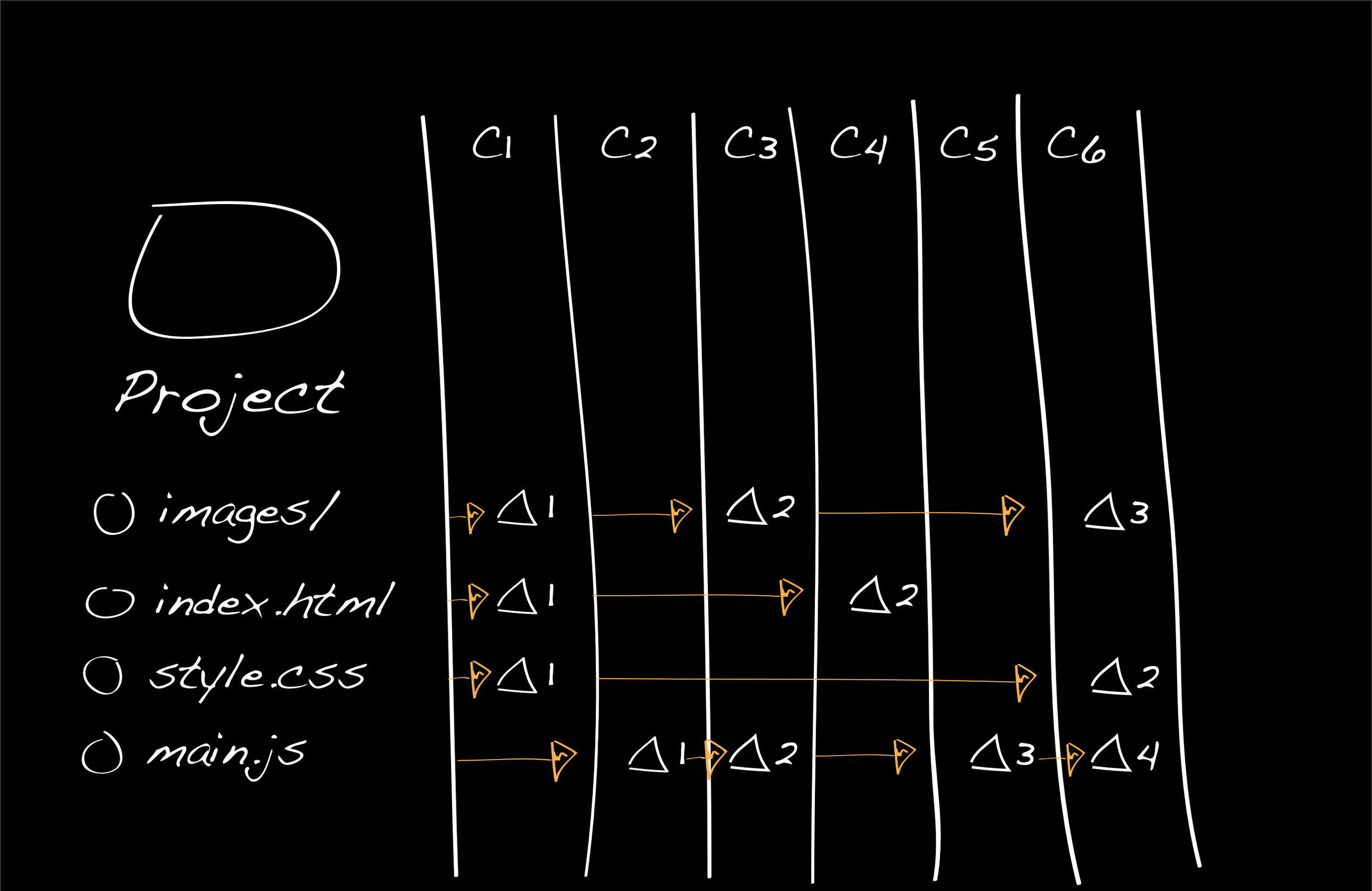
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Δ4

Okay, why git?

When there are so many alternatives.

Simple

Simple

Simple

It's lighter.

Simple

It's lighter.

It's faster.

Simple

It's lighter.

It's faster.

It's distributed.

Simple

It's lighter.

It's faster.

It's distributed.

It works offline.

Why else?

I'm still not sold.

Backup.

Jobs.

Think digital portfolio.

Welcoming Trevor Turk to 37signals

David Mar 31

14 comments Latest by Boban Jovanoski

Next week Trevor Turk will be joining 37signals as our newest programmer. His application impressed us with great code, open-source contributions, and strong writing skills. Plus he's in Chicago which is an added bonus. Welcome on board, Trevor!

We're still looking to add one more programmer to the team. Please see the job posting.

Hello Signals,

My name is Trevor. You should hire me. Here's why:

I'm a Chicagoan

Although I love to travel, I'm a Chicagoan through and through.

I grew up in Hyde Park and attended my first Cubs game at 8 years old. I've eaten more Giordano's stuffed spinach pizzas than I can count and I have an MBA (Master of Beer Appreciation) from Goose Island.

I've been living in London for the past six months, but I'm returning home to Lakeview on March 27th.

I'm a creative developer

Here are some of the things I've built:

- Reel Roulette — an easy way to find motion designers (Rails, Devise, Heroku, Solr, jQuery)
- Flowcoder — code sharing powered by Twitter (Rails, OAuth, Twitter API, haml)
- El Dorado — a full-stack community web app (Rails, Slicehost, Heroku, Paperclip, S3)
- Static — a super simple Rails CMS for Heroku (Rails, Heroku, Paperclip, S3)
- The Unofficial Pygments API — syntax highlighting via Google App Engine (Python, Pygments, GAE)
- Simplest — the simplest possible theme for WordPress: 83 lines of PHP and 75 lines of CSS in 4 files

I'm an active participant in the open-source community

Here are some of the projects that I've been a part of:

- Maintainer and second most active contributor to Carrierwave
- Contributor to Rails, docrails, Rails Guides, Devise, Homebrew, and Heroku
- Creator of delayed_job_admin, flash_cookie_session, pg-query-analyzer, and sprinkle-packages

Commands

- git clone
- git pull
- git add
- git commit
- git push
- git branch
- git checkout
- git status
- git merge

git clone

Usage:

```
$ git clone git@github.com:rickyc/sample-repo.git
```

Description:

Downloads a copy of the repository onto your computer

git pull

Usage:

```
$ git pull origin master
```

Description:

Pulls in the latest changes from the web into your local repository

git add

Usage:

```
$ git add index.html
$ git add .
```

Description:

Marks the files to be ready to be commited

git commit

Usage:

```
$ git commit -m “some commit message”
```

Description:

Makes a snapshot of the current files.

git push

Usage:

```
$ git push origin master
```

Description:

Uploads the changes to the web

Demo

Ricky Cheng

ricky.cheng@nyu.edu

end