

project-tech

Docs, Git & Building

lab 2/8



Show what
you did

Stand-up!

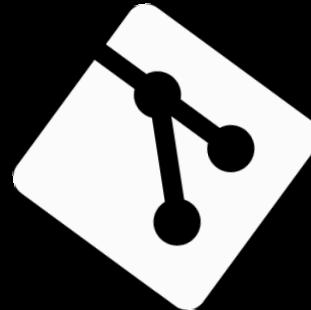
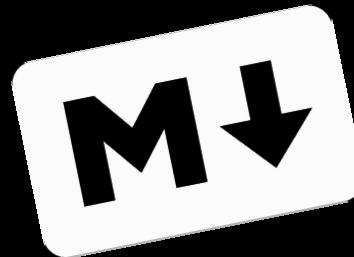
today

I. ~~Stand-up~~

II. Docs & Markdown

III. Git & CLI

IV. Building



Docs

markdown

description

Markdown is a lightweight **markup language** for creating formatted text using a plain-text editor. [...] Markdown is widely used in blogging, collaborative software and documentation pages.

[wikipedia.org](https://en.wikipedia.org)





~/example.md

Level 1 heading

Level 2 heading

Level 3 heading

Level 5 heading

Level 6 heading

A normal paragraph

- * An
- * Unordered
- * List

1. An
2. Ordered
3. List



~/example.html

```
<h1>Level 1 heading</h1>

<h2>Level 2 heading</h2>

<h3>Level 3 heading</h3>

<h4>Level 5 heading</h4>

<h5>Level 6 heading</h5>

<p>A normal paragraph</p>

<ul>
  <li>An</li>
  <li>Unordered</li>
  <li>List</li>
</ul>
```



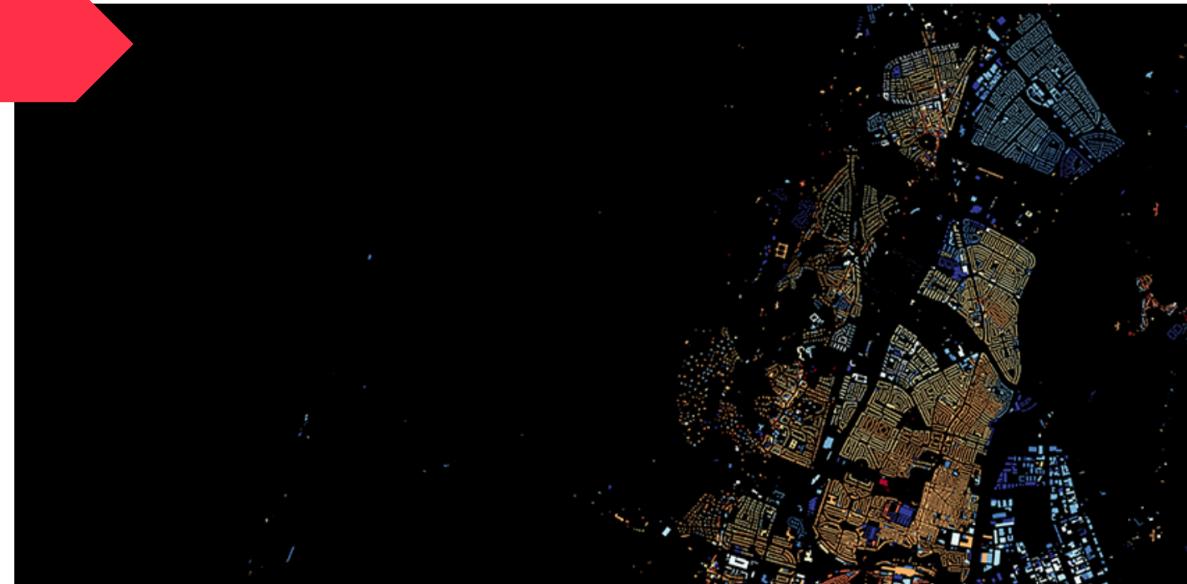
Buildings by year of construction

View map on <http://code.waag.org/buildings>.

Map showing all 9,866,539 [buildings](#) in the Netherlands, shaded according to year of construction.

Data from [BAG](#), via [CitySDK](#). Map made with [TileMill](#) by [Bert Spaan, Waag Society](#), inspired by [BKLYNR](#).

readme.md



GitHub, Inc. github.com/nodejs/node/pull/15428

This repository Search Pull requests Issues Marketplace Explore

nodejs / node Watch 2,406 Unstar 39,275 Fork 7,939

Code Issues 584 Pull requests 202

src: prepare platform for upstream V8 changes #15428

[Open](#) addaleax wants to merge 1 commit into `nodejs:master` from `addaleax:fix-node-platform`

Conversation 7 Commits 1 Files changed 3 +32 -8

addaleax commented 19 hours ago

V8 platform tasks may schedule other tasks (both background and foreground), and may perform asynchronous operations like resolving Promises.

To address that:

- Run the task queue drain call inside a callback scope. This makes sure asynchronous operations inside it, like resolving promises, lead to the microtask queue and any subsequent operations not being silently forgotten.
- Move the task queue drain call before `EmitBeforeExit()` and only run `EmitBeforeExit()` if there is no new event loop work.
- Account for possible new foreground tasks scheduled by background tasks in `DrainBackgroundTasks()`.

Checklist

`make -j4 test` (UNIX), or `vcbuild test` (Windows) passes
-[] tests and/or benchmarks are included (no, because right now everything still works without this – in the future, some things like WASM would fail otherwise)

Reviewers iasnell matthewloring fhinkel ✓

Assignees No one assigned

Labels C++ V8 Engine

Projects None yet

Milestone

Issues, pull request,
releases



Search or jump to...



Pull requests Issues Marketplace Explore

nodejs / node

Watch

3k

Star

76.2k

fork

19.1k

< Code

Issues 943

Pull requests 229

Discussions

Actions

Projects 3

Security

Insights

master

31 branches

646 tags

Go to file

Add file

Code



ruyadorno deps: upgrade npm to 7.4.3 ...



a35b32e 10 hours ago



32,759 commits

.github

meta: notify slack when someone force pushes

17 days ago

benchmark

test,benchmark: stop requiring URL and URLSearchParams

4 days ago

deps

deps: upgrade npm to 7.4.3

10 hours ago

doc

doc: fix maintaining ICU guide

2 days ago

lib

lib: refactor to use validateArray

2 days ago

src

src: use BaseObject::kInternalFieldCount in Blob

2 days ago

About

Node.js JavaScript runtime 🚀🐢



nodejs.org/

nodejs

javascript

windows

macos

linux

node

mit

js

runtime

Readme

View license

live demo **Markdown**

Assignment ($\pm 20m$)

Search for popular repository on GitHub and look at their readme's.

- What do they all have in common?
- How are they structured?



docs

open

choosealicense.com

Choose an open source license

An open source license protects contributors and users. Businesses and savvy developers won't touch a project without this protection.

{ Which of the following best describes your situation? }

 **I need to work in a community.**

Use the [license preferred by the community](#) you're contributing to or depending on. Your project will fit right in.

If you have a dependency that doesn't have a license, ask its maintainers to [add a license](#).

 **I want it simple and permissive.**

The [MIT License](#) is short and to the point. It lets people do almost anything they want with your project, like making and distributing closed source versions.

[Babel](#), [.NET Core](#), and [Rails](#) use the MIT License.

 **I care about sharing improvements.**

The [GNU GPLv3](#) also lets people do almost anything they want with your project, except distributing closed source versions.

[Ansible](#), [Bash](#), and [GIMP](#) use the GNU GPLv3.

choosealicense.com

docs

open-source

Open source is a source code that is made freely available for possible modification and redistributions. Products include permission to use the source code.

[wikipedia.org](#)



docs

gratis

The English adjective free is commonly used one of two meanings; “for free” (gratis) and “with little or no restriction” (libre).

Think free as in free speech, not free beer.

wikipedia.org



github.com/woorm

Search or jump to...

Pull requests Issues Marketplace Explore

Overview Repositories 169 Projects Packages Sponsoring 6

Pinned

micromark/micromark

the smallest commonmark compliant markdown parser that exists; new basis for @unifiedjs (hundreds of projects w/ billions of downloads for dealing w/ content)

JavaScript 757 22

micromark/common-markup-state-machine

CMSM: Common markup state machine

JavaScript 29

unifiedjs/unified

interface for parsing, inspecting, transforming, and serializing content through syntax trees

JavaScript 2.4k 70

remarkjs/remark

Markdown processor powered by plugins part of the @unifiedjs collective

JavaScript 3.7k 240

retextjs/retext

natural language processor powered by plugins part of the @unifiedjs collective

JavaScript 2k 102

rehypejs/rehype

HTML processor powered by plugins part of the @unifiedjs collective

JavaScript 604 37

Support the maintainers

WOOORM

Making it easier for developers to develop · core team @unifiedjs · full-time OSS · syntax trees, markdown, markup, natural language 🐧

Unfollow

1.6k followers · 430 following · 1.2k



Assignment ($\pm 20m$)

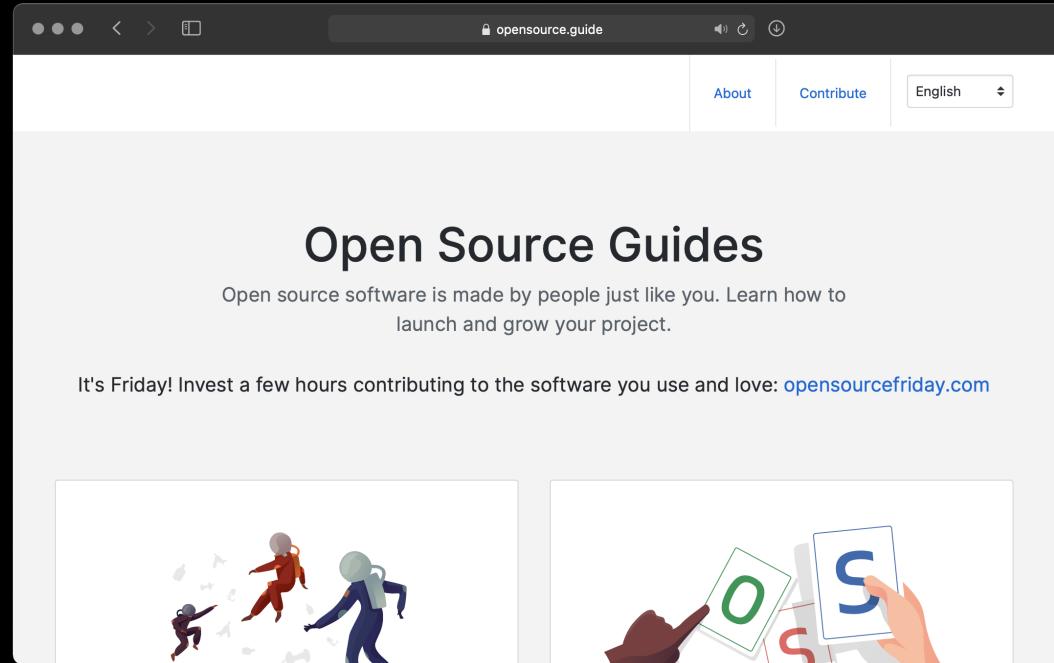
Have a look at the difference licenses and research them.

- What's the difference between each license?
- Which one is suitable for this project?



docs

community



Community Files; opensource.guide

Assignment ($\pm 15m$)

Have a look at the community files you can add to your GitHub repository.



- Add the labels, releases etc. to your project?
- Do you want a code of conduct?
- Do you want to create pull request templates?

Git

GitHub, Inc. github.com/nodejs/node

This repository Search Pull requests Issues Marketplace Explore

nodejs / node Watch 2,406 Unstar 39,275 Fork 7,939

Code Issues 584 Pull requests 202

Node.js JavaScript runtime 🎉🐢🚀🌟 <https://nodejs.org>

18,833 commits 128 branches 443 releases 1,519 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

assert: use Same-value equality in deepStrictEqual ... Latest commit b0d3bec 28 days ago

File	Commit Message	Time Ago
deps	deps: cherry-pick 9b21865822243 from V8 upstream	14 hours ago
doc	assert: use Same-value equality in deepStrictEqual	7 hours ago
lib	assert: use Same-value equality in deepStrictEqual	7 hours ago
src	module: coverity fixes for ESM C++	11 hours ago
test	assert: use Same-value equality in deepStrictEqual	7 hours ago
tools	test: fix single test runner regression	4 days ago
.editorconfig	tools: disallow trailing whitespace for markdown	10 months ago
.eslintignore	test: remove disabled tests directory	2 months ago
.eslintrc.yaml	module: Allow runMain to be ESM	9 days ago
.gitattributes	src: limit .gitattributes eol to vcbuild.bat	3 years ago

Use the web interface for version control

Current Repository **desktop**

Current Branch **esc-pr** #3972

Fetch origin Last fetched 3 minutes ago

Changes History

Add event handler to dropdown component

iAmWillShepherd and Markus Olsson committed c79e71c 1 changed file

Co-Authored-By: Markus Olsson <niik@users.noreply.github.com>

app/src/ui/t.../dropdown.tsx

```
@@ -145,6 +145,10 @@ export class ToolbarDropdown extends React.Component<
 145   145     this.state = { clientRect: null }
 146   146   }
 147   147
 148 + private get isOpen() {
 149 +   return this.props.dropdownState === 'open'
 150 + }
 151 +
 152   152   private dropdownIcon(state: DropdownState): OcticonSymbol {
 153   153     // @TODO: Remake triangle octicon in a 12px version,
 154   154     // right now it's scaled badly on normal dpi monitors.
 155   155
 156   156   @@ -249,6 +253,13 @@ export class ToolbarDropdown extends React.Component<
 249   253   }
 250   254   }
 251   255
 256 + private onFoldoutKeyDown = (event: React.KeyboardEvent<HTMLElement>) => {
 257 +   if (!event.defaultPrevented && this.isOpen &&
 258 +     event.key === 'Escape') {
 259 +     event.preventDefault()
 260 +     this.props.onDropdownStateChanged('closed', 'keybo
 261 ard')
```

Use a GUI for version control





bash

[examples] \$ **git init**

Initialized empty Git repository in /Users/tilde/projects/oss/examples/.git/

[examples] \$ **echo "Hello World!" > readme.md**

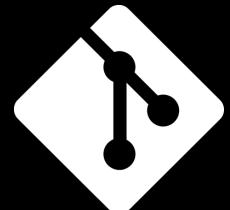
[examples] \$ **git add --all**

[examples] \$ **git commit --message "Add readme"**

[master (root-commit) 0ee1887] Add readme

Use the **CLI** for version control

[examples] \$



git

cli

Benefits of using the CLI;

- ❖ **Faster**; and developers like speed
- ❖ **Integration**; often integrated into the editor
- ❖ **Possibilities**; commands and options



deckard -- zsh -- 44x14

Last login: Fri Jan 22 09:29:05 on co

~

```
→ echo "danny is gek"  
danny is gek
```

~

→

live demo **Git Terminal**

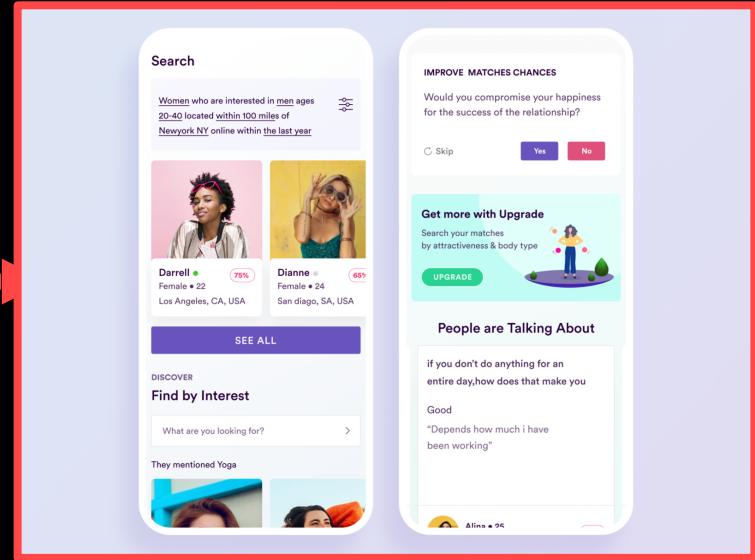
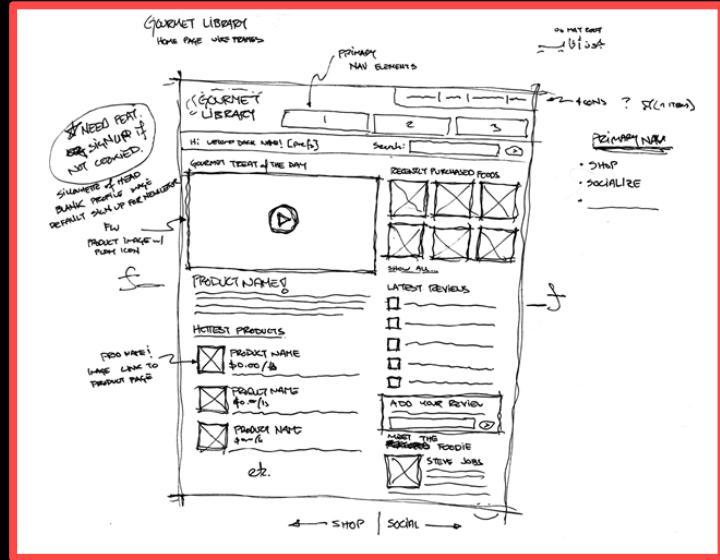
Assignment ($\pm 20m$)

Create a develop branch and make a pull request to your own main branch.

- Do you want to lock the main branch in settings?
- Do you want to work with a subbranch for each feature?



Building



wireframe

prototype

feature

static

1. Turn your wireframe into static HTML pages

Do a HTML breakdown of your wireframe and use semantic HTML as learned in previous courses.

Note: Use the templating engine from back-end. So no ‘plain’ old HTML. Otherwise you’ll have to re-write everything later.

feature

design

2. As presentational styles

Use CSS to set-up some basic styles. Think about colors, fonts, lay-out etc.

feature

states

3. Add states and interactivity

Make it feel like an actual webpage. Add states to interactive elements like forms, buttons etc. Maybe some animation?

building

Start building out the interface (html & css) of your matching-app feature.

Synopsis

- Time: 6:00h
- Due: before week 3

Assignment

Based on the concept, job story, requirement list and wireframe from the previous week start building out the front-end of the feature you are going to make for the matching-application. You can build the interface with the **templating engine** as you learned in back-end as opposed to 'plain' HTML & CSS.

- Turn your wireframe **into HTML pages**. Do a HTML breakdown of your wireframe and use semantic HTML as learned in previous courses.

work on **docs, git & building**

building

Start building out the interface (html & css) of your matching-app feature.

Synopsis

- Time: 6:00h
- Due: before week 3

Assignment

Note: Don't forget to document your research (**git strategy etc.**) in the wiki

exit;

see you in lab-3!