# Thank you!

Before anything else, thank you. Thank you for taking some of your precious time helping this project move forward.

## Setup

\* install [Node.Js](https://nodejs.org/en/) and [Yarn](https://yarnpkg.com/)

\* `yarn install`

## Tests

See the `package.json` scripts section for how to run the tests.

\* lint

\* [prettier](https://github.com/prettier/prettier)

\* [eslint](https://eslint.org/)

\* [dependency-lint](https://github.com/charlierudolph/dependency-lint)

\* unit tests

\* [mocha](https://mochajs.org/)

\* [chai](https://www.chaijs.com/)

\* [sinon](https://sinonjs.org/)

\* feature tests

\* cucumber-js tests itself

## Test browser example locally

\* Run `yarn build-browser-example`

\* Run `node scripts/server.js`

\* Visit `localhost:9797`.

The published browser example is only updated when releasing a new version.

## Internals

### Project Structure

```

??? src

?

??? cli # argv parsing, reading files

?

??? formatter # displaying the results

?

??? models # data structures

?

??? runtime # run test cases, emits the event protocol

?

??? support\_code\_library # load hooks / step definitions

```

The runtime emits events with an [EventEmitter](https://nodejs.org/api/events.html#events\_class\_eventemitter)

### Coding style

\* Promises and ES7 async/await

\* Try to make things as unit testable as possible. If its hard to unit test, the class/function may be doing too much.

## Release process

\_The following is a checklist for maintainers when preparing a new release\_

Perform the following steps on a feature branch.

\* Update `CHANGELOG.md`

\* Describe the major changes introduced. API changes must be documented. In particular, backward-incompatible changes must be well explained, with examples when possible.

\* `git log --format=format:"\* %s (%an)" --reverse <last-version-tag>..HEAD` might be handy.

\* Update `package.json`

\* bump version

\* add new contributors, if any

\* `git log --format=format:"%an <%ae>" --reverse <last-version-tag>..HEAD`

\* Compile the bundle with `yarn run build-release`

\* Ensure the browser example works

Review the changes, if everything looks good, squash merge into master.

\* commit message should have the format "Release 0.1.2" (replacing \*0.1.2\* with the actual version)

\* Tag commit as "v0.1.2"

\* CI will publish to NPM

\* Update [docs.cucumber.io](https://github.com/cucumber/docs.cucumber.io)

\* Update the cucumber-js version `data/versions.yaml`

\* Ensure the javascript examples are up to date