# Contributing

Thanks for being willing to contribute!

\*\*Working on your first Pull Request?\*\* You can learn how from this \_free\_

series [How to Contribute to an Open Source Project on GitHub][egghead]

## Project setup

1. Fork and clone the repo

2. `npm run setup` to setup and validate your clone of the project

3. Create a branch for your PR

> Tip: Keep your `master` branch pointing at the original repository and make

> pull requests from branches on your fork. To do this, run:

>

> ```

> git remote add upstream https://github.com/downshift-js/downshift.git

> git fetch upstream

> git branch --set-upstream-to=upstream/master master

> ```

>

> This will add the original repository as a "remote" called "upstream," Then

> fetch the git information from that remote, then set your local `master`

> branch to use the upstream master branch whenever you run `git pull`. Then you

> can make all of your pull request branches based on this `master` branch.

> Whenever you want to update your version of `master`, do a regular `git pull`.

## Committing and Pushing changes

Please make sure to run the tests before you commit your changes. You can run

`npm run test:update` which will update any snapshots that need updating. Make

sure to include those changes (if they exist) in your commit. We also track the

bundle sizes in a `.size-snapshot.json` file, this will likely update when you

make changes to the codebase.

### Tests

There are quite a few test scripts that run as part of a `validate` script in

this project:

- lint - ESLint stuff, pretty basic. Please fix any errors/warnings :)

- build-and-test - This ensures that the built version of `downshift` is what we

expect. These tests live in `other/misc-tests/\_\_tests\_\_`.

- test:cover - This is primarily unit tests on the source code and accounts for

most of the coverage. We enforce 100% code coverage on this library. These

tests live in `src/\_\_tests\_\_`

- test:ts - This runs `tsc` on the codebase to make sure the type script

definitions are correct for the `tsx` files in the `test` directory.

- test:ssr - This ensures that downshift works with server-side rendering (it

can run and render in an environment without the DOM). These tests live in

`other/ssr/\_\_tests\_\_`

- test:cypress - This runs tests in an actual browser. It runs and tests the

storybook examples. These tests live in `cypress/integration`.

### opt into git hooks

There are git hooks set up with this project that are automatically installed

when you install dependencies. They're really handy, but are turned off by

default (so as to not hinder new contributors). You can opt into these by

creating a file called `.opt-in` at the root of the project and putting this

inside:

```

pre-commit

```

## Help needed

Please checkout the [the open issues][issues]

Also, please watch the repo and respond to questions/bug reports/feature

requests! Thanks!

[egghead]:

https://egghead.io/series/how-to-contribute-to-an-open-source-project-on-github

[all-contributors]: https://github.com/kentcdodds/all-contributors

[issues]: https://github.com/downshift-js/downshift/issues