# How to contribute

Support and contributions from the open source community are essential for keeping

MEAN.js up to date and always improving! There are a few guidelines that we need

contributors to follow to keep the project consistent, as well as allow us to keep

maintaining MEAN.js in a reasonable amount of time.

## Creating an Issue

Before you create a new Issue:

\* Check the [Issues](https://github.com/meanjs/mean/issues) on Github to ensure one doesn't already exist.

\* Clearly describe the issue, including the steps to reproduce the issue.

\* If it's a new feature, enhancement, or restructure, Explain your reasoning on why you think it should be added, as well as a particular use case.

## Making Changes

\* Create a topic branch from the master branch.

\* Check for unnecessary whitespace / changes with `git diff --check` before committing.

\* Also check that your code is formatted properly with spaces (hint: Use [.editorconfig](http://editorconfig.org/))

\* Keep git commit messages clear and appropriate

\* If possible, please "squash" your commits to as few commits as possible/reasonable such as one commit for implementation, one for tests, and one for documentation before finally squashing to one commit when getting the LGTM from a collaborator.

\* Follow the commit message guidelines below.

\* Make Sure you have added any tests necessary to test your code.

\* Run \_\_all\_\_ the tests to ensure nothing else was accidently broken.

\* Don't rely on the existing tests to see if you've broken code elsewhere; test the changes you made in a browser too!

\* Update the Documentation to go along with any changes in functionality / improvements in a separate pull request against the gh-pages branch.

## Commit Message Guidelines

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Header

Blank Line

Body

Blank Line

Footer

The header should look like:

<type>(<scope>): <subject>

The body should have any necessary detailed info about the commit:

An example, references as to where this idea came from, etc.

The footer should have all the issues tagged:

Fixes #123, Fixes #456

So a commit should like like:

feat(users): Add new Yahoo authentication

Yahoo authentication idea proposed by @codydaig

Example implementation in file.js

Fixes #82

```

\* Types:

\* feat - Features, Enhancements, and overall Improvements

\* fix - Fixes, Bugs, HotFixs, etc...

\* doc - Changes to the Documentation and doesn't actually touch any code.

\* Scope:

\* The scope should be where the change took place.

\* Examples: users, core, config, articles

\* Subject:

\* The subject line should be clear and concise as to what is being accomplished in the commit.

\* General Rules:

\* No Line in the Commit message can be longer than 80 characters.

\* Refrence: [Angular Conventions](https://github.com/ajoslin/conventional-changelog/blob/master/conventions/angular.md)

## Submitting the Pull Request

\* Push your changes to your topic branch on your fork of the repo.

\* Submit a pull request from your topic branch to the master branch on the MEAN.JS repository.

\* Be sure to tag any issues your pull request is taking care of / contributing to.

\* By adding "Closes #xyz" to a commit message will auto close the issue once the pull request is merged in.

\* Small changes are usually accepted and merged in within a week (provided that 2 collaborators give the okay)

\* Larger changes usually spark further discussion and possible changes prior to being merged in.

## Documentation (meanjs.org)

The code for the documentation and the website are located in the meanjs/mean repo on the gh-pages branch. The website is hosted by github pages and generated using jekyll. See the README in the gh-pages branch for more information on how to get your dev enviorment set-up.

## Generating a new Release

For those who will be generating releases:

\* Don't forget to update the changelog!

\* Install the changelog cli tool: `npm install conventional-changelog-cli`

\* Generate the updated changelog `node\_modules/.bin/conventional-changelog -r 1 > /tmp/release && cat CHANGELOG.md >> /tmp/release && cat /tmp/release > CHANGELOG.md && rm /tmp/release`

\* Review, and commit changes