# Contributing to angular-google-maps

### <a name="submit-pr"></a> Submitting a Pull Request (PR)

Before you submit your Pull Request (PR) consider the following guidelines:

\* Search [GitHub](https://github.com/SebastianM/angular-google-maps/pulls) for an open or closed PR

that relates to your submission. You don't want to duplicate effort.

\* Make your changes in a new git branch:

```shell

git checkout -b my-fix-branch master

```

\* Create your patch, \*\*including appropriate test cases\*\*.

\* Follow the [Coding Rules](#rules).

\* Run the full angular-google-maps test suite with `npm run build` & `npm run test` and ensure that all tests pass.

\* Commit your changes using a descriptive commit message that follows our

[commit message conventions](#commit). Adherence to these conventions

is necessary because release notes are automatically generated from these messages.

```shell

git commit -a

```

Note: the optional commit `-a` command line option will automatically "add" and "rm" edited files.

\* Push your branch to GitHub:

```shell

git push origin my-fix-branch

```

\* In GitHub, send a pull request to `angular-google-maps:master`.

\* If we suggest changes then:

\* Make the required updates.

\* Re-run the angular-google-maps test suite to ensure tests are still passing.

\* Rebase your branch and force push to your GitHub repository (this will update your Pull Request):

```shell

git rebase master -i

git push -f

```

That's it! Thank you for your contribution!

#### After your pull request is merged

After your pull request is merged, you can safely delete your branch and pull the changes

from the main (upstream) repository:

\* Delete the remote branch on GitHub either through the GitHub web UI or your local shell as follows:

```shell

git push origin --delete my-fix-branch

```

\* Check out the master branch:

```shell

git checkout master -f

```

\* Delete the local branch:

```shell

git branch -D my-fix-branch

```

\* Update your master with the latest upstream version:

```shell

git pull --ff upstream master

```

## <a name="rules"></a> Coding Rules

To ensure consistency throughout the source code, keep these rules in mind as you are working:

\* All features or bug fixes \*\*must be tested\*\* by one or more specs (unit-tests).

\* All public API methods \*\*must be documented\*\*. (Details TBC).

\* We follow [Google's JavaScript Style Guide][js-style-guide], but wrap all code at

\*\*100 characters\*\*.

## <a name="commit"></a> Commit Message Guidelines

We have very precise rules over how our git commit messages can be formatted. This leads to \*\*more

readable messages\*\* that are easy to follow when looking through the \*\*project history\*\*. But also,

we use the git commit messages to \*\*generate the change log\*\*.

### Commit Message Format

Each commit message consists of a \*\*header\*\*, a \*\*body\*\* and a \*\*footer\*\*. The header has a special

format that includes a \*\*type\*\*, a \*\*scope\*\* and a \*\*subject\*\*:

```

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

<BLANK LINE>

<body>

<BLANK LINE>

<footer>

```

The \*\*header\*\* is mandatory and the \*\*scope\*\* of the header is optional.

Any line of the commit message cannot be longer 74 characters! This allows the message to be easier

to read on GitHub as well as in various git tools.

### Revert

If the commit reverts a previous commit, it should begin with `revert: `, followed by the header of the reverted commit. In the body it should say: `This reverts commit <hash>.`, where the hash is the SHA of the commit being reverted.

### Type

Must be one of the following:

\* \*\*feat\*\*: A new feature

\* \*\*fix\*\*: A bug fix

\* \*\*docs\*\*: Documentation only changes

\* \*\*style\*\*: Changes that do not affect the meaning of the code (white-space, formatting, missing

semi-colons, etc)

\* \*\*refactor\*\*: A code change that neither fixes a bug nor adds a feature

\* \*\*perf\*\*: A code change that improves performance

\* \*\*test\*\*: Adding missing tests or correcting existing tests

\* \*\*build\*\*: Changes that affect the build system, CI configuration or external dependencies (example scopes: gulp, broccoli, npm)

\* \*\*ci\*\*: Any changes to our CI configuration files and scripts (Travis, Circle CI, BrowserStack, SauceLabs)

\* \*\*chore\*\*: Other changes that don't modify `src` or `test` files

### Scope

The scope could be anything specifying place of the commit change. For example

`Compiler`, `ElementInjector`, etc.

### Subject

The subject contains succinct description of the change:

\* use the imperative, present tense: "change" not "changed" nor "changes"

\* don't capitalize first letter

\* no dot (.) at the end

### Body

Just as in the \*\*subject\*\*, use the imperative, present tense: "change" not "changed" nor "changes".

The body should include the motivation for the change and contrast this with previous behavior.

### Footer

The footer should contain any information about \*\*Breaking Changes\*\* and is also the place to

reference GitHub issues that this commit \*\*Closes\*\*.

\*\*Breaking Changes\*\* should start with the word `BREAKING CHANGE:` with a space or two newlines. The rest of the commit message is then used for this.

[js-style-guide]: http://google-styleguide.googlecode.com/svn/trunk/javascriptguide.xml