# Contributing to TinaCMS

The following is a set of guidelines and tips for contributing to the TinaCMS and its packages.

## How to Contribute

- \*\*Reporting Bugs\*\*

- \*\*Suggesting Enhancements\*\*

- \*\*Writing Docs, Guides, or Blog Posts\*\*

- \*\*Volunteering for User Testing\*\*

## Contributing Code

### Making Commits

TinaCMS uses [Conventional Commits](https://www.conventionalcommits.org/en/v1.0.0-beta.4/) to generate CHANGELOG entries. Please make sure your commits follow this convention.

Please include the package name in the [scope](https://www.conventionalcommits.org/en/v1.0.0-beta.4/#commit-message-with-scope) of your commit. For example:

```

fix(react-tinacms-editor): table row add and delete icons no longer overlap

```

### Creating Packages

Packages in Tina are organized according to their name

| Type | Naming Convention | Example Path |

| --------- | ------------------ | ---------------------- |

| Core Tina | `@tinacms/\*` | `@tinacms/core` |

| React | `react-tinacms-\*` | `react-tinacms-remark` |

| Next.js | `next-tinacms-\*` | `next-tinacms-json` |

| Gatsby | `gatsby-tinacms-\*` | `gatsby-tinacms-json` |

| Demos | `demo-\*` | `demo-gatsby` |

## Troubleshooting in Development

This section contains solutions to various problems you may run into when developing for TinaCMS.

- [I pulled down changes and now the packages won't build](#I-pulled-down-changes-and-now-my-packages-won't-build)

- [I can't add dependencies to a package](#I-can't-add-dependencies-to-a-package)

### I pulled down changes and now my packages won't build

The links between the local packages may have been broken. If this is the problem, then

running `npm run bootstrap` should fix the issue.

#### Example error message

```

sh: tinacms-scripts: command not found

```

### I can't add dependencies to a package

Linking prevents running `npm install` from directly inside a package from working. There are two ways to get around this issue.

1. \*\*Add the package with lerna\*\*

You can use lerna to add new dependencies to a package from the root of the repository:

```

lerna add react --scope react-cms

```

The downside of this approach is you can only add one dependency at a time. If you need to add many packages, you can use the next method.

2. \*\*Add dependencies manually, then bootstrap\*\*

The other approach is to manually add the dependencies to the `package.json` and then run `npm run bootstrap` from the root of the repository.

3. \*\*When I run `npm run bs` it deletes the contents of a package?\*\*

This sucks. Try running `lerna clean` and then running `npm run bs` again.

### Failed to Compile: Module not found: Can't resolve 'some-tinacms-package'

There are two reasons this error might occur:

1. \*\*The package did not link to `some-tinacms-package`\*\*

This is likely the problem if `some-tinacms-package` is missing from

the `node\_modules`. If it is, do the following:

- Make sure `some-tinacms-package` is listed in the `package.json`

- Run `npm run bootstrap` from the root of the repo.

1. \*\*`some-tinacms-package` was not built.\*\*

This is likely the problem if: the `build` directory is missing; there are no `.d.ts` or `.js` files. To fix this issue simply run `npm run build` from the root of the repository.

## Release Process

The TinaCMS core team releases frequently. Checkout the [RELEASE.md](./RELEASE.md) file to see how to create a release.