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# How to contribute

One of the easiest ways to contribute is to participate in discussions and discuss issues. You can also contribute by submitting pull requests with code changes.

## General feedback and discussions?

Please start a discussion on the [main repo issue tracker](https://github.com/IdentityManager/IdentityManager/issues).

## Bugs and feature requests?

Please log a new issue in the appropriate GitHub repo:

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

\* [ASP.NET Identity support](https://github.com/IdentityManager/IdentityManager.AspNetIdentity)

\* [MembershipReboot support](https://github.com/IdentityManager/IdentityManager.MembershipReboot)

## Other discussions

https://gitter.im/IdentityManager/IdentityManager

## Filing issues

The best way to get your bug fixed is to be as detailed as you can be about the problem.

Providing a minimal project with steps to reproduce the problem is ideal.

Here are questions you can answer before you file a bug to make sure you're not missing any important information.

1. Did you read the [documentation](https://github.com/IdentityManager/IdentityManager/wiki)?

2. Did you include the snippet of broken code in the issue?

3. What are the \*EXACT\* steps to reproduce this problem?

GitHub supports [markdown](http://github.github.com/github-flavored-markdown/), so when filing bugs make sure you check the formatting before clicking submit.

## Contributing code and content

You will need to sign a [Contributor License Agreement](https://cla.dotnetfoundation.org/) before submitting your pull request.

Make sure you can build the code. Familiarize yourself with the project workflow and our coding conventions. If you don't know what a pull request is read this article: https://help.github.com/articles/using-pull-requests.

We only accept PRs to the dev branch.

Before submitting a feature or substantial code contribution please discuss it with the team and ensure it follows the product roadmap. You might also read these two blogs posts on contributing code: [Open Source Contribution Etiquette](http://tirania.org/blog/archive/2010/Dec-31.html) by Miguel de Icaza and [Don't "Push" Your Pull Requests](http://www.igvita.com/2011/12/19/dont-push-your-pull-requests/) by Ilya Grigorik. Note that only contributions that meet a high bar for both quality and design/roadmap appropriateness will be merged into the source.

Here's a few things you should always do when making changes to the code base:

\*\*Commit/Pull Request Format\*\*

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Summary of the changes (Less than 80 chars)

- Detail 1

- Detail 2

#bugnumber (in this specific format)

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\*\*Tests\*\*

- Tests need to be provided for every bug/feature that is completed.

- Tests only need to be present for issues that need to be verified by QA (e.g. not tasks)

- If there is a scenario that is far too hard to test there does not need to be a test for it.

- "Too hard" is determined by the team as a whole.