

Week 11 Workshop

Issue management

Objectives

In this week's workshop, you will:

- conduct your final product acceptance tests
- explore GitLab's issue management system
- review the issue management facilities available from other git hosting providers

Task 1. Final acceptance tests

Your third and final iteration should be complete this week. There's no further iterations in this project, so rather than a product review, your demo will be an acceptance test.

Other than that, it should run the same way as your previous two product reviews: you must demonstrate and explain the features you've completed.

Task 2. GitLab's issue tracker

In your remaining class time, explore GitLab's built-in issue tracker. It's too late to use it for managing bugs in your FIT2101 project, but it's good to know that these features are available for your future project work.

As you've seen in lectures, one way to handle bug reports from users is to collect them in an *issue tracker*. GitLab has a built-in issue tracker, called "Issues".

Go to your repository's page on the Monash git server and click the Issues icon in the left sidebar. That's the one that looks like two slightly-overlapping sheets of paper. (Alternatively, you can go to <https://git.infotech.monash.edu/path-to-your-repo/issues>.) See if you can figure out how to create a new issue. If you get stuck, you'll find links to GitLab's documentation on Issues at <https://docs.gitlab.com/ee/user/project/issues/>.

With your team, create some issues for your project. These issues might concern known bugs, missing feature, or suggested enhancement for your code, or you could simply make some up. Practice *assigning* these issues to team members.

When you've had some issues assigned to you, you can *view* those issues by clicking on the "Issues" icon in the dark GitLab nav bar at the top of the page. (You'll find this icon at the right side of the nav bar, next to the search box.) This will show you all issues assigned to you in *any* repository on this server.

GitLab can be configured to notify you by email and/or web when an issue is assigned to you, or when you are @mentioned in any issue. You can set up your notifications by going to <https://docs.gitlab.com/ee/workflow/notifications.html>.

Task 3. Other issue trackers

Learning about GitLab Issues is all very well, but what happens when you are on a project that is hosted elsewhere? Fortunately, the need to manage issues is a very common one for software development teams, so most other hosting sites support something similar.

Research the issue tracking facilities built into BitBucket Cloud (you'll find some basic info at <https://confluence.atlassian.com/bitbucket/use-the-issue-tracker-221449750.html>) and GitHub (<https://guides.github.com/features/issues/>).

Which of the three git hosting services you've seen has the most *fully-featured* issue tracker? Which has the *best-documented* issue tracker? Which do you think will be *easiest to use*?