

CSCI 234: Introduction to Software Engineering

OpenMRS Tickets

1. Claim the ticket
2. Fork the appropriate repository on `github`.
 - The project name is in the upper-left corner of the ticket next to the ticket id.
3. Clone the repository to your local machine.
 - `git clone <repository url>`
 - The repository url should point to the forked copy on *your* github account.
4. Set the upstream repository
 - `git remote add upstream <repository url>`
 - The repository url should point to the original copy of the project on github.
 - You must be in the project directory for this command to succeed.
5. Fetch all the current branches of the project.
 - `git fetch --all`
 - FIXME I don't quite understand why this is necessary. What did we have after the clone?
6. Pull all changes from the upstream master
 - `git pull --rebase upstream master`
 - FIXME In the video and on my sample ticket, there were no changes. I don't understand how there could be after the fetch (much less after the clone).
7. Create a branch to work in
 - `git checkout -b <branch name>`
 - Use the ticket identifier as the branch name.
8. Import the project into Eclipse
 - Use the "Browse.." button to point at the directory containing the project.
9. Tell Eclipse that the project uses git.
 - Select all the projects, and then right click. Select "Team" and then "Share Project..." The default opens are correct.
 - Do not use "Share Projects" (plural). This is for adding a new form of sharing.
10. Handle the issue described in the ticket...
11. Add your changes to the staging area of your local repository.

- `git add -i` for an interactive add.
 - `git add <filename>` to add specific files
12. Commit your changes to your local repository
 - `git commit -m "<ticket id>: <commit message>"`
 13. Push the changes in your branch back to the origin on github.
 - `git push origin <branch id>`
 14. Change to the branch on github, and make a pull request
 - Include the URL of the ticket.
 - Be sure to check the “Commits” and “Files Changed” tabs to be sure you are sending the correct changes.
 15. Request a code review on the ticket page
 - Include the URL of the pull request in the comment for the code review.
 16. Wait. Someone from OpenMRS will respond to the pull request.