

Analysis on Fusuma

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For this analysis, I chose to discuss the first repo in the table, fusuma by iberianpig. Fusuma is written in ruby, and it is a gem that lets linux systems recognize multi finger gestures on the trackpad (like mac gestures). The name fusuma comes from the Japanese word for a traditional sliding door. This project received a 12 out of 18 max points on the foss2serve rubric. The main reason that this project didn't get any more scores is the size of it. This is a small project that has 6 contributors, and iberianpig is the only one actively maintaining the project. The rest of the contributors are people who were using this software and helping the creator (and one bot account).

Licensing

The project uses the MIT license (citation 1.1). It received 2 points for this category because all the requirements are fulfilled. The MIT license serves the purpose of this project very well because it is the simplest license, and it lets the users do whatever they want with the code. (citation 1.2)

Language

This project is written in Ruby, which is an open source language, so installation of Ruby is required. The project received 1 point in this section because I do not know Ruby myself. Ruby is one of the top 15 languages currently used the most, it can be interpreted or compiled. The benefit of coding in Ruby is that it is a simple language has a very good built in features such as garbage collection, easy debugging, and overall great performance (citation 2.1)

Level of Activity

Looking at the commit insight page on the repo, the project was active for about half the time over last year. The project received 1 point in this section because the commit history was not active the whole year,(Citation 3.1) but looking at the number of current issues present (4 out of 93), necessary work was being done to keep the project up to date.

Number of Contributors

There are 6 total contributors in the repo, and one of them is a bot that updates dependencies. The others are users who had suggestions for improvements and implemented it, with the help of the original maintainer (only one of two commits from each of all the other contributors). The project received 1 point for this category because it was less than 10 but it is also more than just a couple.

Project Size

The Project is not very big. After running gitstats, we found that there are 2303 (4197 added, 1894 removed) lines in the repository (Citation 5.1). The project received 1 point for this section because although it is not that big, it has enough to achieve the goal. The repo structure was not very complicated, but it was still more than little or no code, (according to the activity guideline), so it received the 1.

Issue Tracker

There is an active issue board for any issue reports, and most problems are quickly resolved. Currently, there are 4 open issues and 93 closed, and all 4 of the open issues are being actively discussed, latest post from the maintainer being a day ago. The fifth issue, issue(#106), was opened on Nov 19, 2018 (Citation 6.1).

New Contributor

Fusuma received only 1 point on this section because there is a guideline for anyone who wants to contribute, but the instructions were not very specific and only included a link to the Contributor Covenant (Citation 7.1). There are no instructions to download and install the development environment. There is the issue board for communications, but there is no other communication mechanism available. The issue board also serves as a discussion platform, and there are recent posts and responses on them (Citation 7.2). And as far as I could find, there is no other official web presence of this project outside of github.

Community Norms

There are no specific guidelines about community rules in the front page of the repository, aside from a note from the maintainer in the Contributing section about how to post issues and try to

contribute. The Contributor Covenant, which is in the same section, enforces that there is no toxic behavior, open community, and strict rules. Although there were no specific guidelines, the project received 1 point for this section because there is also no visibly toxic behavior. If anything, the user base is very friendly and supportive (Citation 8.1, 8.2)

User Base

This project has a very enthusiastic user base. I found this project from an article on a website about linux operating systems, and many users who were frustrated at the lack of touchpad support from their distros were very excited to learn about this project. The project has very clear steps for its users, and there is an instruction for everything from autostart to configuration (Citation 9.1). Although this project isn't a permanent solution to the problem (Ubuntu's lack of touchpad support), so far it is one of the only reliable solutions and it's fair to say that there is a consistent user base for this project, which is why the project received 2 points for this section.

Citations

1. License

1.1 <https://tldrlegal.com/license/mit-license> (MIT license explained quickly)

1.2 https://en.wikipedia.org/wiki/MIT_License (Wikipedia page on MIT License)

2. Language

2.1 <https://rubygarage.org/blog/cool-stuff-in-ruby-language> (article on benefits of using Ruby)

3. Level of Activity

3.1 <https://github.com/iberianpig/fusuma/graphs/commit-activity> (commit activity visuals on repo)

4. Number of Contributors

4.1 <https://github.com/dependabot-bot> (dependabot - a bot that updates dependencies)

5. Project Size

5.1 <https://imgur.com/a/FSjsvtH> (Screenshot of gitstats index.html)

6. Issue Tracker

6.1 <https://github.com/iberianpig/fusuma/issues/106> (issue board on repo)

7. New Contributors

7.1 <https://www.contributor-covenant.org/> (Link to contributor covenant in readme)

7.2 <https://github.com/iberianpig/fusuma/issues> (Issue board that functions as communications board)

8. Community Norms

8.1 <https://github.com/iberianpig/fusuma/issues/103> (wholesome thread ex 1)

8.2 <https://github.com/iberianpig/fusuma/issues/97> (wholesome thread ex 2)

9. User base

9.1 <https://github.com/iberianpig/fusuma/blob/master/README.md> (readme file that has all the instructions for users)