



Bilkent University

Department of Computer Engineering

CS 453

Application Lifecycle Management

Homework #1 Report

Understanding and Experimenting with GitHub API

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Section 1

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Question 1

Repository Found: NationalSecurityAgency/ghidra

Full URL to the repository: <https://github.com/NationalSecurityAgency/ghidra>

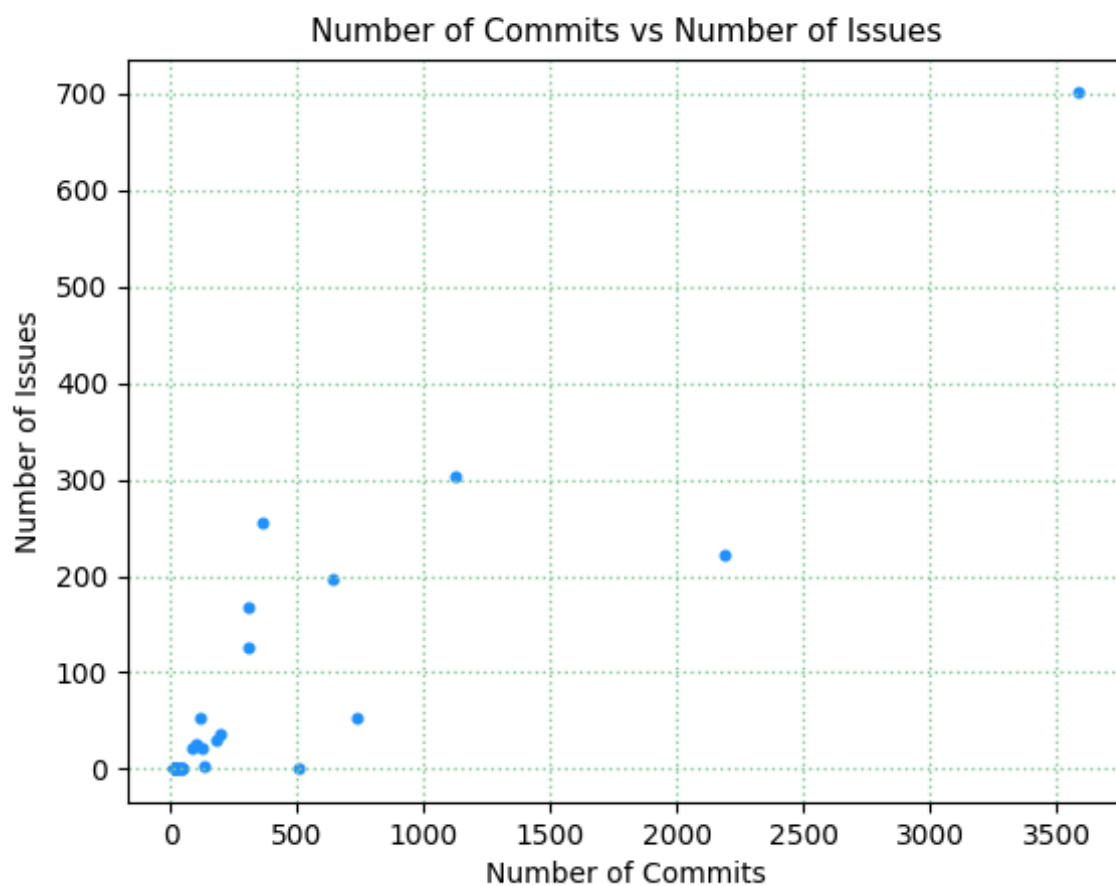
Checked at 2024-03-02 16:08:32

Question 3

No. of Issues with Assignee is 2220 issues

No. of Issues without Assignee is 1895 issues

Question 5



Drawn by matplotlib and numpy on python 3.10
Source code is available at main.py of uploaded files

Question 6

Closing an issue in GitHub without assigning it can occur due to a set of various reasons. For instance, the original poster may have resolved the problem independently or discovered that it was not a valid issue [1], leading them to close it without assigning. Duplicate issues might prompt maintainers to close one without an assignee, directing users to the original one [2]. Insufficient information in an issue could result in closure, with maintainers requesting more details before assigning it. Irrelevant or outdated issues may be closed without an assignee, especially if they pertain to outdated software versions [3]. Community discussions might lead to a collective decision that an issue does not require further action, prompting closure without an assignee [1, 4]. Resource constraints or the inability to reproduce a problem might also result in closing an issue without assigning it. Additionally, policy violations, lack of activity, or a lack of alignment with project goals could lead to closure without an assignee [1].

To conclude, the diverse range of factors contributing to the closure of GitHub issues without assignment highlights the dynamic nature of collaborative software development. This practice is not solely indicative of neglect but rather reflects the intricacies and considerations involved in managing open-source projects. The absence of an assignee in these cases doesn't necessarily imply oversight, but rather a strategic response to the specific circumstances surrounding each issue [5].

References

- [1] Github, "Issues · github/docs," GitHub, <https://github.com/github/docs/issues> (accessed Mar. 3, 2024).
- [2] "I have created a field called closed reason but I can see that field in the incident request form," Atlassian Community, <https://community.atlassian.com/t5/Jira-Service-Management/I-have-created-a-field-called-Closed-Reason-but-i-can-see-that/qaq-p/2210171> (accessed Mar. 3, 2024).
- [3] Leonardo_Corso, "Closing tasks for a project set for a 'completed' status," Asana Forum, <https://forum.asana.com/t/closing-tasks-for-a-project-set-for-a-completed-status/282266> (accessed Mar. 3, 2024).
- [4] MicrosoftDocs, "Issues · MicrosoftDocs/Azure-Docs," GitHub, <https://github.com/MicrosoftDocs/azure-docs/issues> (accessed Mar. 3, 2024).
- [5] "OpenAI's ChatGPT AI language model," response to question from author, 3 March 2024. <https://chat.openai.com/share/c6443a98-6bf2-4ffd-954e-acf469d20567>