

Code Review Automatically

After we updated the ChatGPT code review version to 0.0.13 and updated the API Key to the teacher's key, we resolved the quota issue and the bot is now working properly.

Previously, the automatic code review was not functional, so we have been conducting manual code reviews. We resolved this issue on May 20th, but since the problem was just fixed, the automatic code review is still in progress(we don't do too many auto code reviews currently). In future work, we will conduct more code reviews and optimize our code further.

| Items | Details |
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| Total Number of Code Reviews | 2 times |
| | We will conduct more in future days. |
| Date Range | 20 May - 22 May |
| Selection Criteria | Implementation of new features |
| | Developing the new features need strict code review to ensure they are correctly implemented and do not introduce new vulnerabilities or issues. |
| Review Details | Review Date: 20 May |
| | Participants: Zixuan Huang, Ninghai Zhang, Yurun Wang, Haoran Li, Huiyi Wang, Lantian Yan |
| | Issues Identified: 3 |
| | Types of Issues: Documentation Defects, Structure Defects, Test issues |
| Post-Review Actions | <ol style="list-style-type: none">1. Developers made modifications based on feedback.2. Conducted follow-up reviews on modified code.3. Merged code into the main branch.4. Deployed to test environment for verification. |
| Review of AI Feedback | <ul style="list-style-type: none">• Analyzed the feedback.• Discussed feedback within the team: We found from the feedback that we have some dead code. Although the dead code can't affect our program, it's meaningless. The feedback also shows we need to adjust our comments and class name. After a quick discussion, we believe these issues can affect our code quality. |
| | Participants: @ninghai zhang , @zixuhuang , @Haoran Li |
| | <ul style="list-style-type: none">• Decided to adopt the feedback: Remove the dead code, Rename the class name, and Add more related comments. Participants: @Huiyi Wang , @Yurun Wang , @Lantian Yan |
| Example 1 - Reviewed Code | <code>src/backend-develop/server/app/apps.py</code> |
| Example 1 - Feedback Received | Naming: The class name <code>PddlparserConfig</code> does not seem to match the actual application name <code>app</code> . It would be more appropriate to use a name that reflects the purpose of the class. |

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| Example 1 - Actions Taken | ChatGPT Recommend: <ul style="list-style-type: none"> Update the class name <code>PddlparserConfig</code> to reflect the actual application name or purpose. Our Adjustment: <ul style="list-style-type: none"> Rename to the suitable class name |
| Example 2 - Reviewed Code | <i>src/backend-develop/server/app/apps.py</i> |
| Example 2 - Feedback Received | Dead Code: The <code>print("test")</code> statement seems to be unnecessary and can be considered as dead code. |
| Example 2 - Actions Taken | ChatGPT Recommend: <ul style="list-style-type: none"> Remove the <code>print("test")</code> statement if it is not necessary for testing. Our Adjustment: <ul style="list-style-type: none"> We found that there was indeed a dead code, and we removed it. |

When we develop new features or fix bugs, we always conduct an auto code review. Each time, we have discussions to make changes based on the code review feedback. All members of our team make changes according to the feedback provided by the code review.

Participants: @ninghai zhang , @Huiyi Wang , @Haoran Li , @zixuhuang , @Yurun Wang , @Lantian Yan