

Introduction


- Issue tracking systems are the most popular tool for developers to plan, manage and track tasks in the form of tickets.
- Most tickets are in the form of bug reports, which encompass all the necessary information in order to solve a software issue.
- However, most bug reports models are not optimized for the project, thus increasing costs and reducing productivity.
- Our proposed tool will automatically generate bug report models specifically tailored for any given project.


Methodology

- Inspection and analysis of popular bug report models
- Measure effectiveness for models
- Create tool that can automatically generate tailored models
- Continuously monitor tool efficiency


Innovative Aspects

- The tool is novel in the research field
- We will be making the application open source, thus welcoming contributors
- The tool will use state-of-the-art sentiment analysis and natural language processing

Project  Kafka (KAFKA)

Issue Type  Bug

Summary

Priority  Major

Component/s

Affects Version/s

Fix Version/s

Description

Environment

Impact

- Reducing overall organizational costs, it will boost UK’s economy.
- We will involve prestigious British universities and organizations in the development and evaluation process, thus increasing collaboration nationwide.
- Improve overall developer productivity and reduce unneeded communication overhead between engineers and end users.

Conclusion

- Implementing this novel tool, we will be able to solve one of the major issues in the software engineering field, which will in turn have a nationwide positive impact on the research community, economy, as well as the technology industry.