

Drawing Diagrams in Source Code ^{*}

Reza Adhitya Saputra
University of Waterloo
radhitya@uwaterloo.ca

Raminder Sodhi
University of Waterloo
rjsodhi@uwaterloo.ca

ABSTRACT

An image tells a thousand words. Developers often use diagrams to explain their source code. Unfortunately, diagrams, which usually are drawn on papers or whiteboards, are transitory. However, we believe that embedding diagrams in source code can be used for improving code documentation. In this paper, we propose a tool for Github to embed diagrams in source code files as Unicode Art.

Keywords

Diagramming, visual representation

1. INTRODUCTION

Diagrams and Images are useful to explain algorithms or complex source code. Developers often draw simple diagrams as source code comments using ASCII characters directly in their text editors. However, drawing ASCII art is tedious and the result is simple. We propose a web-based tool that consist of a single canvas where programmers can draw a diagram then automatically converted to a source code comment as Unicode art.

2. DIAGRAMMING PRACTICE IN OSS

Why do developers draw diagrams?

3. DIAGRAMMING TOOL

4. USER STUDY

5. RELATED WORK

[2] and [1] is related to drawing diagram in OSS.

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6. CONCLUSIONS

This paper is done

7. REFERENCES

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