SOFTWARE PLAGIARISM DETECTION IN MULTITHREADING USING MACHINE LEARNING

Presented by : Anju Sreekumar

Guided by : Dr.Sabitha S

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COLLEGE OF ENGINEERING TRIVANDRUM

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INTRODUCTION

- The Software plagiarism, which arises the problem of software piracy is a growing major concern nowadays.
- The customers may develop a modified version of the original software in other types of programming languages.

MOTIVATION

- The Software plagiarism,It is a serious risk to the software industry that gives huge economic damages every year.
- GPL (GNU General Public License) allows users to modify GPL compliance programs freely, as long as the derivative works also follow the tenets of GPL
- However, driven by commercial interests, some companies and individuals incorporate third party software without respecting the licensing terms.

EXISTING SYSTEM

- Today software birthmark approaches are available, are applicable only to sequential programs
- Existing birthmark generation and comparison are no longer applicable to modern software with multiple threads.

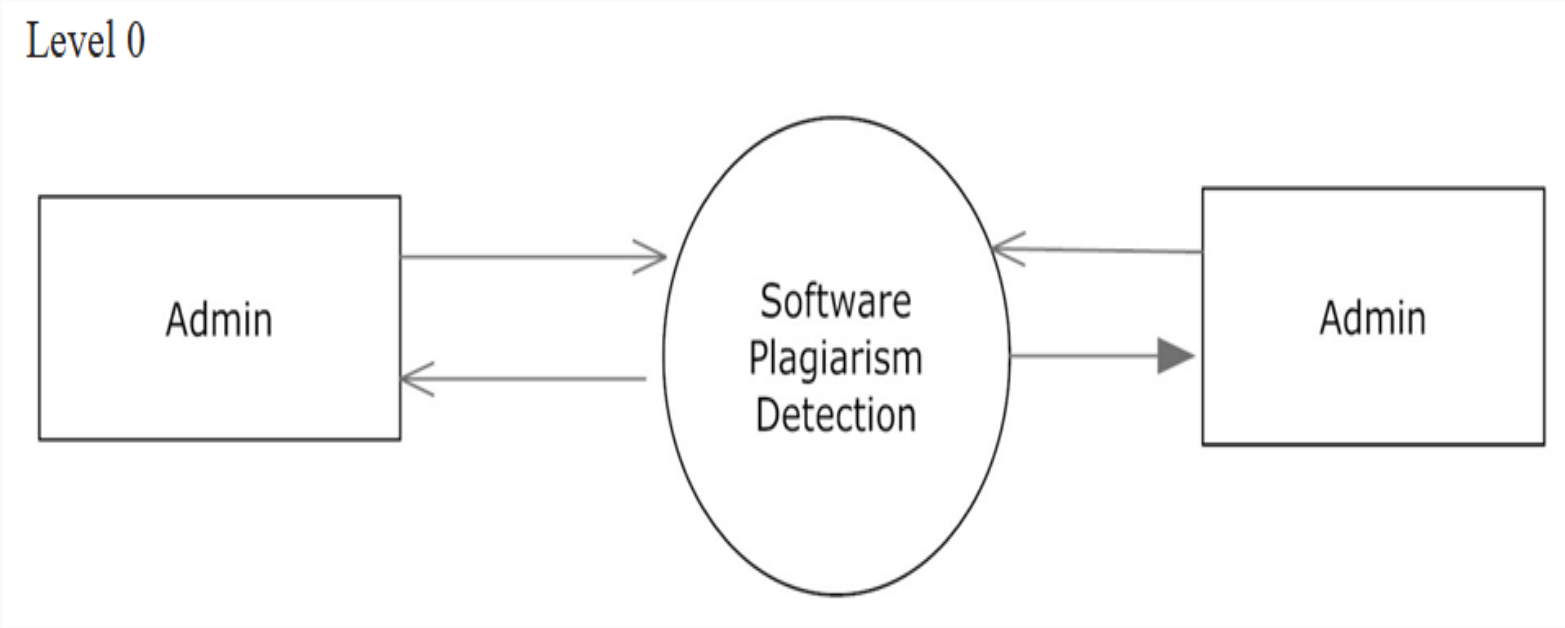
PROPOSED SYSTEM

- Proposed a methodology for software plagiarism detection in multi-programming languages based on machine learning approaches.
- Software birthmarks have been proposed as a method for enabling the detection of programs that may have been stolen by measuring the similarity between the two programs.

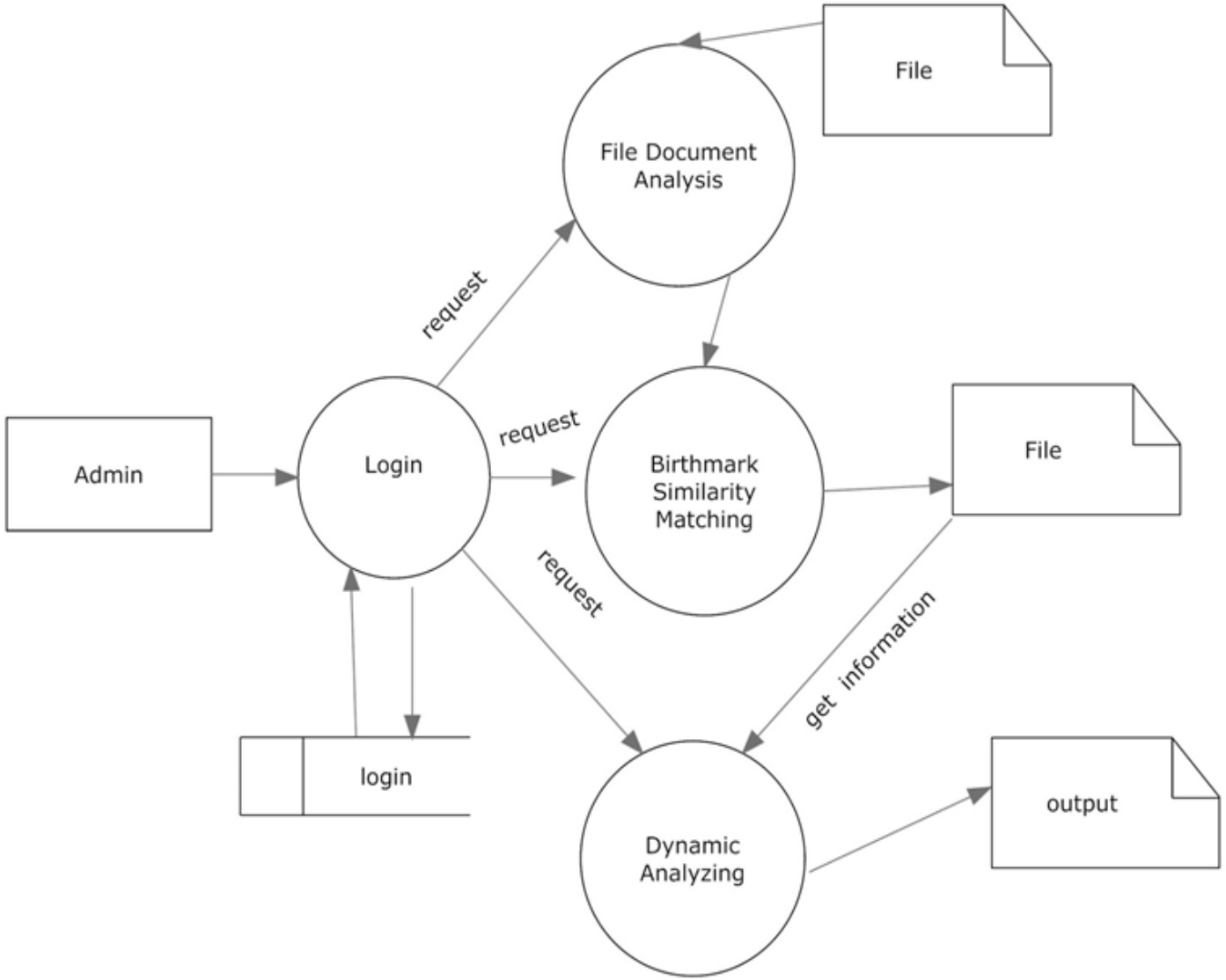
MODULES

- Birthmark creation
- Similarity Calculation
- Plagiarism detection

DATA FLOW DIAGRAM



Level1


File
File Document Analysis
request
Admin
Login
request
Birthmark Similarity Matching
File
request
get information
login
Dynamic Analyzing
output

REFERENCE

 Xi Xu,Ming Fan "Revisiting the Challenges and Opportunities in Software Plagiarism Detection", IEEE May 31,2020

THANK YOU