

DRAWING PROGRAM FOR KID'S EDUCATION

- OSP 3RD CYCLE

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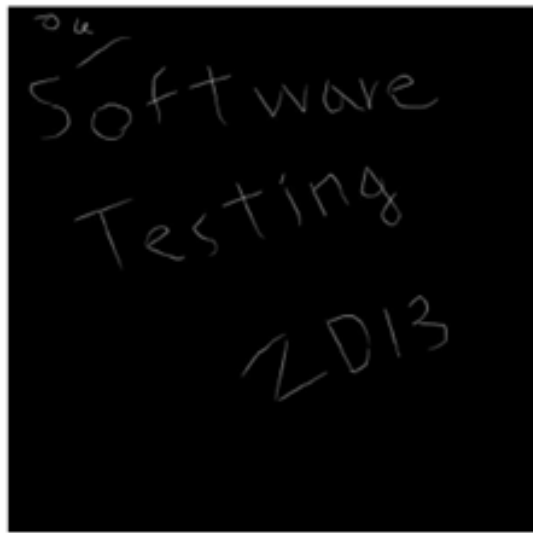
- 1. System Testing
- 2. Static Analysis
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SYSTEM TESTING



System Testing

□ Test Case#1 - Save



<원본 그림>

<저장 1>



<저장 2>



□ Made this way

□ Add description in 2040. Done!

System Testing

□ Test Case#2 – Screenshot Problem



□ Spuit, Fill Color, Save and calculating Score

➡ Use screenshots

□ Fixed wrong starting point. Done!

STATIC ANALYSIS



Static Analysis

- 3 Duplications & 31 Violation Issues
 - Duplications – Code is quite simple. Not fixed
 - Violation – Fixed if is not too timid or small

Static Analysis

□ Corrected

#	위반 항목	개수	대응 방안	반영 여부
V004	If Else Stmts Must Use Braces	27	해당 코드를 찾아서 모두 수정	○
V007	If Stmts Must Use Braces	9	해당 코드를 찾아서 모두 수정	○
V020	Unused Local Variable	2	사용하지 않는 변수 제거	○
V021	Use Index Of Char	2	String.indexOf(char)로 수정	○
V031	Unused Imports	2	사용하지 않는 라이브러리 삭제	○

Static Analysis

□ Not Corrected

Too Timid!


#	위반 항목	개수	대응 방안	반영 여부
V002	Local Variable Name	35	의미 있는 이름을 부여하였으므로, 별도로 수정하지 않음	X
V027	Unused Private Field	1	사용하는 변수이므로, 별도로 수정하지 않음	X

Wrong Violation!


THOUGHTS



Thoughts

- Software Process(OOAD)
 - Requirements
 - Analysis & Design
 - Hard because of lack of Java skills
 - Documents  Clear objectives, Simple Code
- SVN + Mantis
 - Very, very good to maintain codes & data
 - No worries to lose files or to merge codes
 - Easy issues handling if you care..

Thoughts

- JUnit
 - UI related codes  Couldn't use properly
 - But very fresh
- System testing
 - Hard-To-Find bugs
 - Better program
- Static Analysis
 - Lots of issues for better performance

THANK YOU!!

