

GROUP3

Software Engineering

Design Structure Matrix

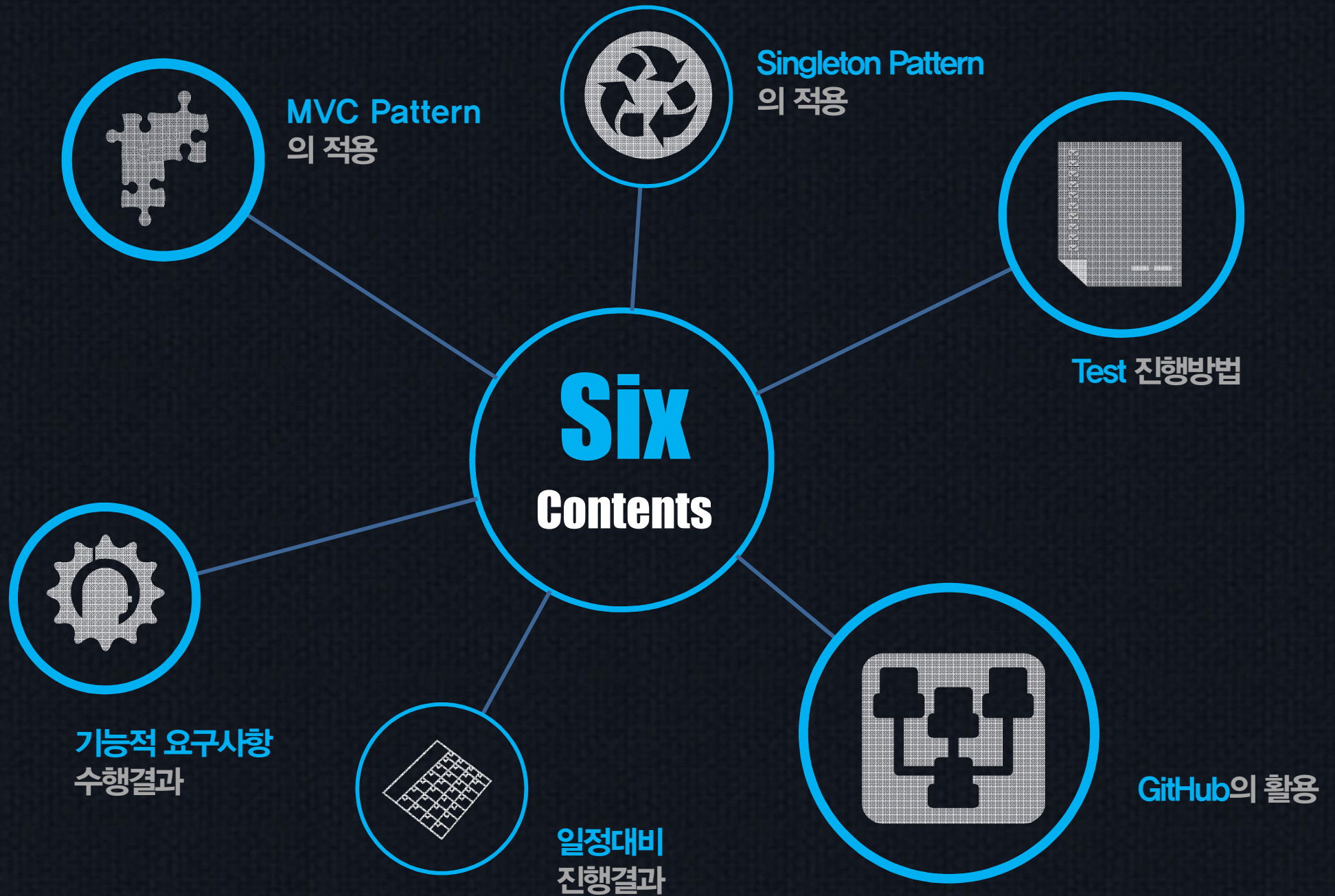
DSM Tools

Team ■

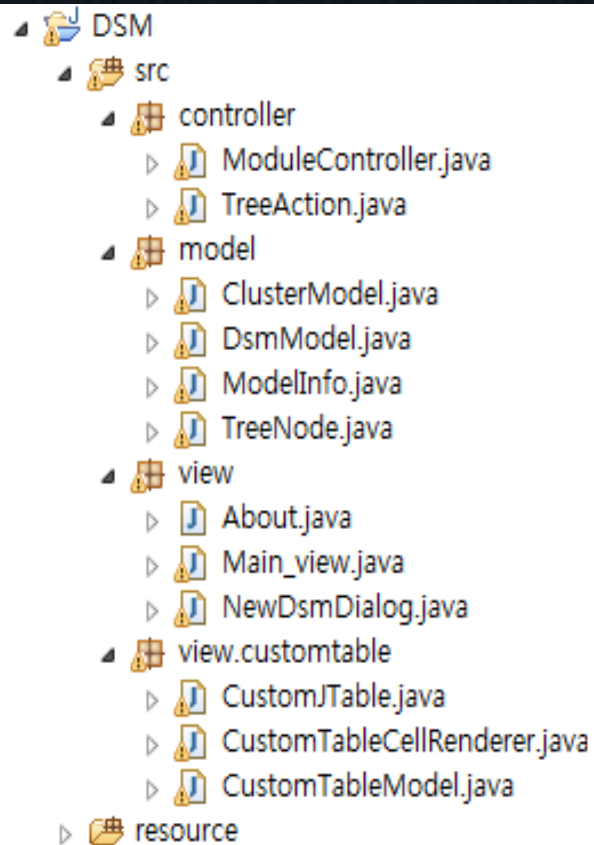
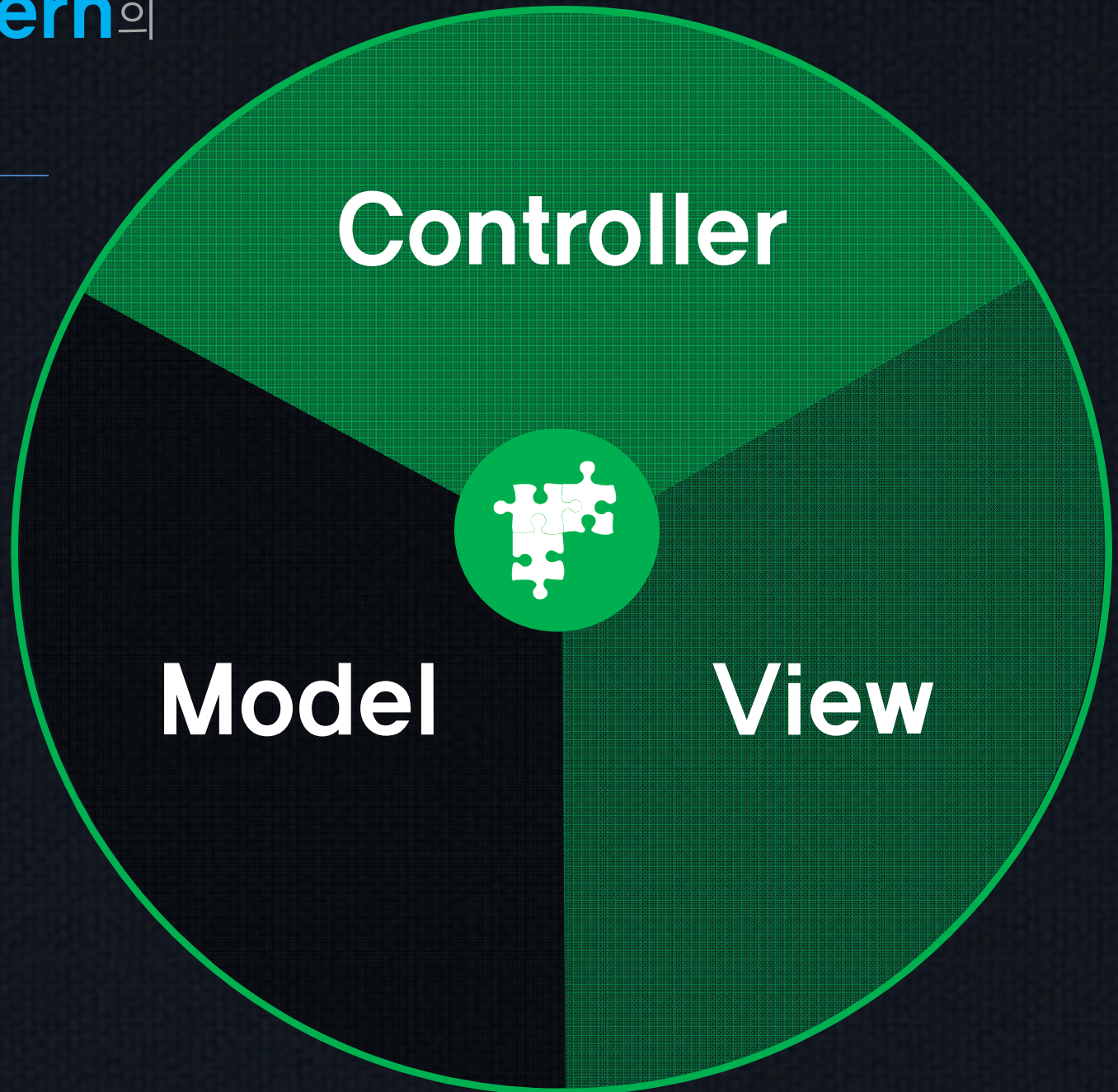
■ Project

■ Final

■ Presentation

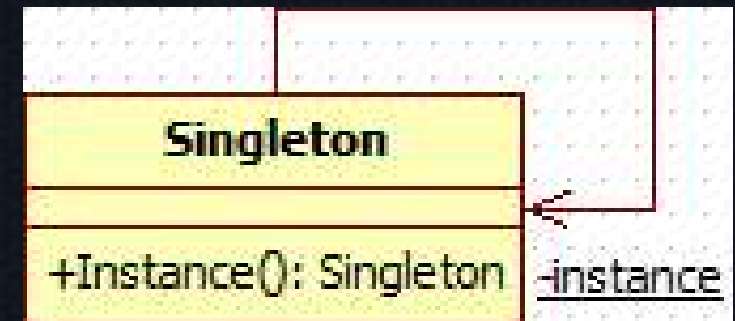


1 MVC Pattern의 적용



2 Singleton Pattern의 적용

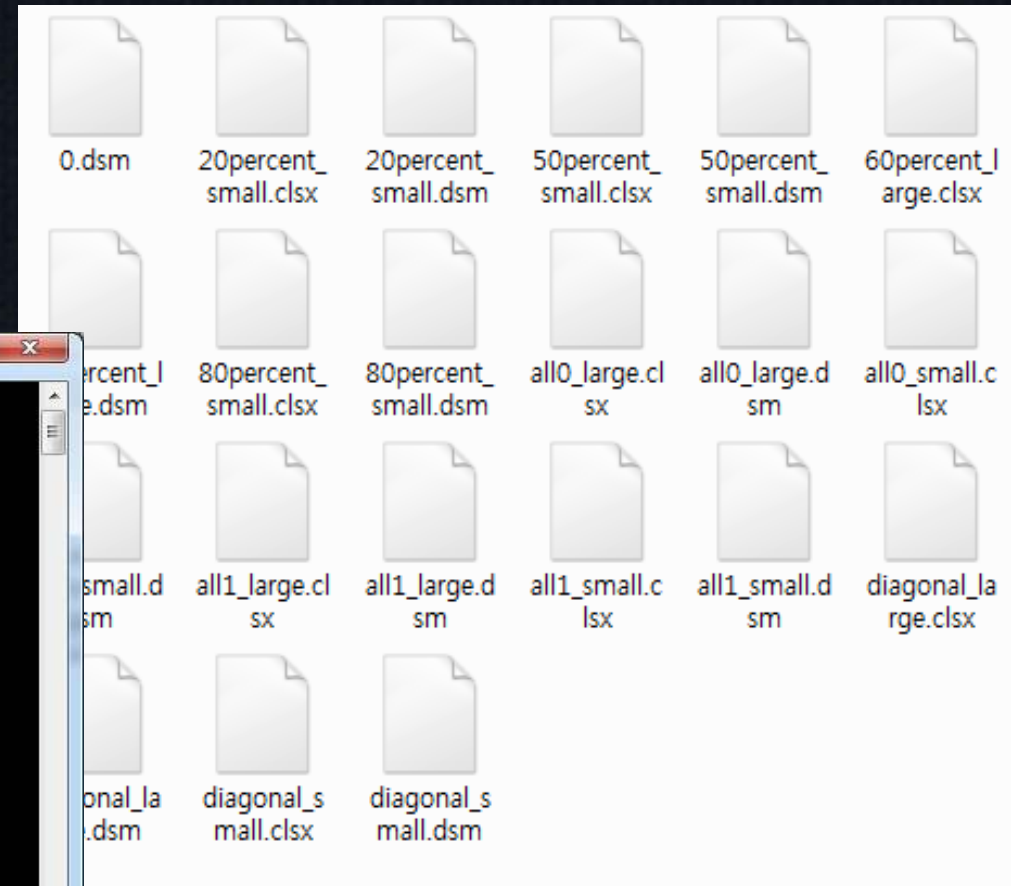
```
public class ModuleController implements ActionListener{  
  
    private String[] DsmfilePath;  
    private String[] currentClusterInfo;  
  
    private static ModuleController instance;  
  
    private ModuleController(){}  
  
    public static ModuleController getInstance(){  
        if(instance==null){  
            instance=new ModuleController();  
        }  
        return instance;  
    }  
}
```



The singleton pattern is a design pattern that restricts the instantiation of a class to one object.

3 Test 진행방법

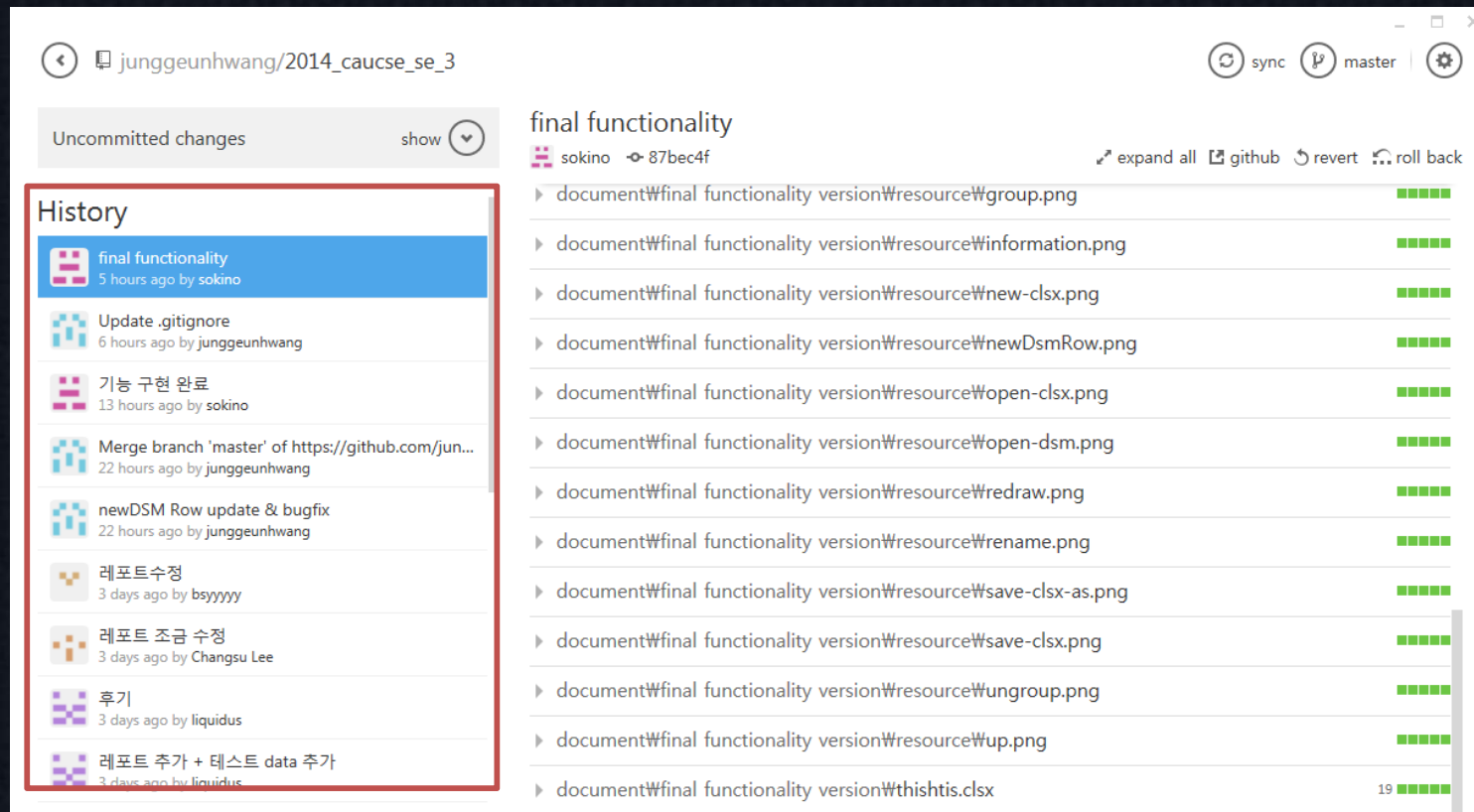
```
C:\Users\Kyung\Documents\Visual Studio 2012\Projects\SE_TestcaseMaker\Debug\SE_Test...
amount(below 500) : 20
option <0/1> : 0
percent : 80
```



조건에 따라 DSM파일을 생성하는 간단한 프로그램 구현

Equivalence Partition 개념을 적용하여 다양한 Test Case 생성

4 GitHub의 활용



GitHub를 활용하여 팀프로젝트 간 진행 효율을 극대화

5 일정대비 진행결과

Implementation

5/16 ~ 5/22(Clear)

Specification

5/12 ~ 5/15(Clear)

Test & FeedBack

5/22 ~ 5/27 → 5/22 ~ 6/6

6 기능적 요구사항 수행결과

**FUNCTIONAL
ACHIEVEMENT RATE**

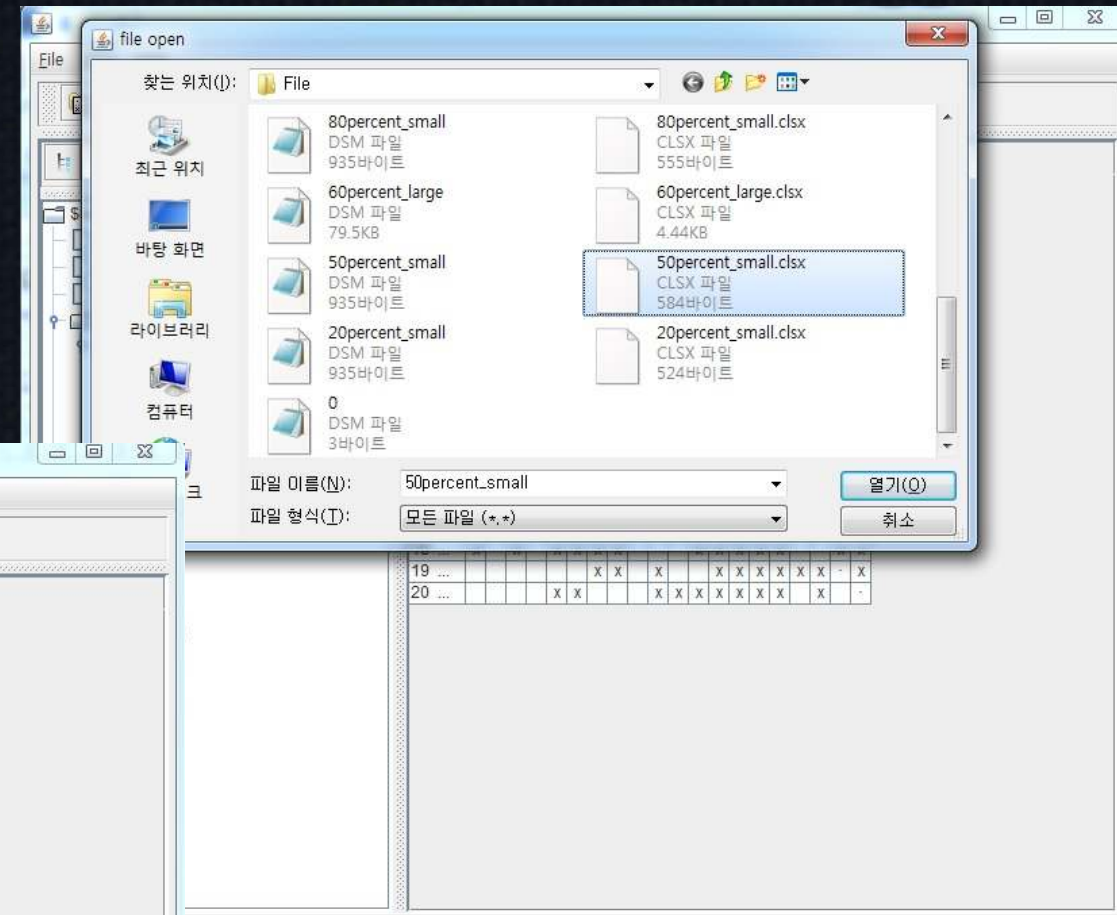
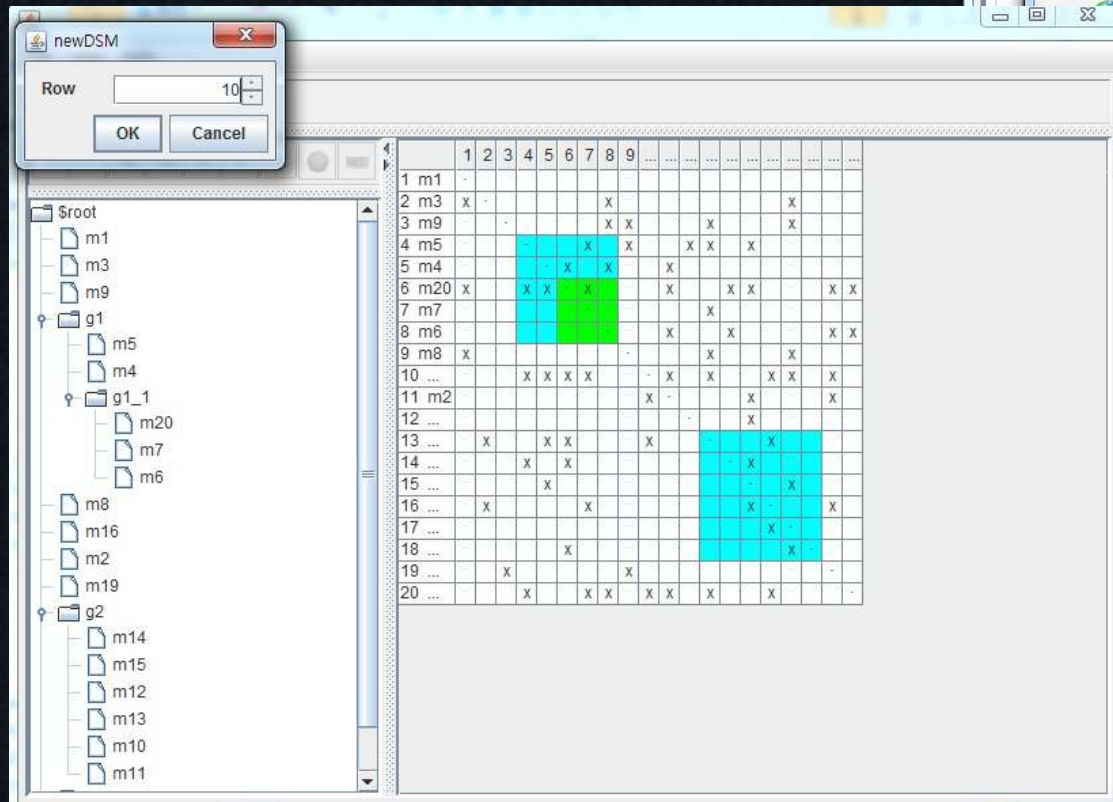


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기능적 요구사항 수행결과

The screenshot displays a software application window with a menu bar (File, View, Help) and a toolbar. On the left, a tree view shows a hierarchy starting with 'Sroot', which branches into 'm1', 'm2', 'm3', 'm4', and 'm5'. The main area on the right contains a grid with 20 rows and 20 columns. The first column of the grid is labeled with '1 m1' through '20 ...', and the first row is labeled with '1' through '20'. The grid cells are populated with 'x' or '-' characters, forming a data matrix. For example, row 1 has 'x' at column 4, 9, 10, and 19. Row 20 has 'x' at columns 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20.

6 기능적 요구사항 수행결과



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