COSC 603

Software Maintenance & Testing

Spring 2016

**Project #2 – Refactoring and Design Smells**

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**Task 14 – Design/Code Smells and Refactoring – On your Own on Project 1 FireDanger. *For this task, briefly describe the refactorings you made (if any) as a result of using JDeodorant.***

Answer:

The results of using JDeodorant in FireDanger Project 1 are as follows:

When I ran Bad Smell - Feature Envy there was no suggestions for refactoring

Using Bad Smell - Type Checking- there was no suggestions as well.

Using Bad Smell - God Glass,vit gave two suggestions: extract calculateTimber and calculateGrass from FireDanger class into new FireDangerProduct class

Using Bad Smell - Long Method - it gave three suggestions: Extract CalculateDryingFactor method, calculateFineFuelMoisture, calculare FireDanger. JDeodorant is trying to convert a variable “I” that I used in different sections into a function and replacing the while loop for an if statement., but it is ignoring the fact that using while loop I am doing a search in the array. SoI rejected the changes.