UNIVERSITY OF CONCORDIA
DEPARTMENT OF SOFTWARE ENGINEERING

Homework #1

Student name: *Karamveer Kaur*

Course: *Software Engineering Process* – Professor: *Dr. Pankaj Kamthan*
Due date: *August 2nd,2019*
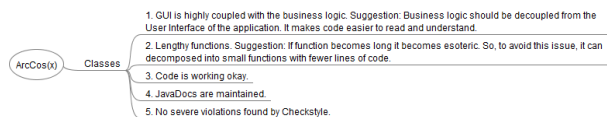
Question 5

Function1.

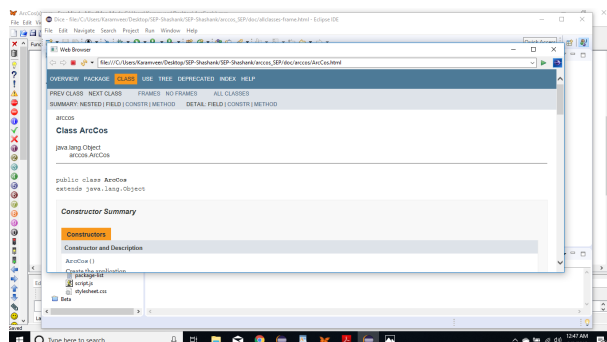**F1 By Shashank Rao.**

Code Review

1. GUI is highly coupled with the business logic.

2. Functions are lengthy.

3. Code is working fine.

4. JavaDocs are maintained.

5. No severe violations found by checkstyle.

6. Code is somewhat adherent to coding standards.

7. No Compilation error.

Approach of review
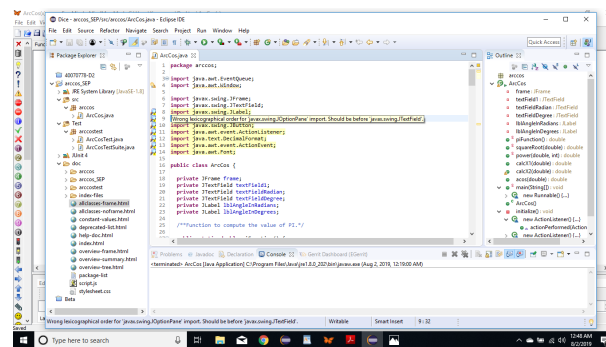
Step by step approach to review the source code

Answer. Step by step process

1.Installation of Free Mind

2.Importing the project into Free Mind

(*a*) Setting up the environment.

(*b*) Installed jacoco to check code coverage.

(*c*) Installed Checkstyle plugin.

(*d*) Setting up of Gerrit plugin.

3.Read the code Manually.

4.Checked if it is adhered to coding conventions.

5.Checked for java doc.
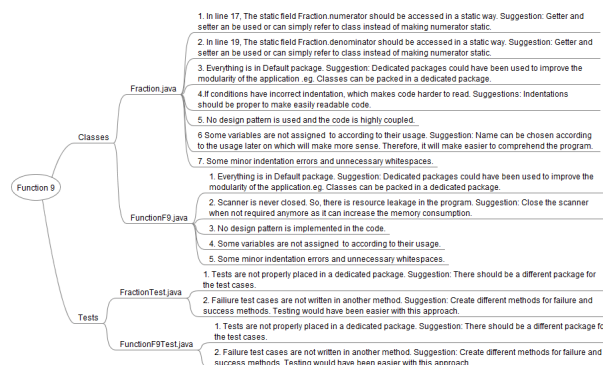
5.Testing if code is working properly.

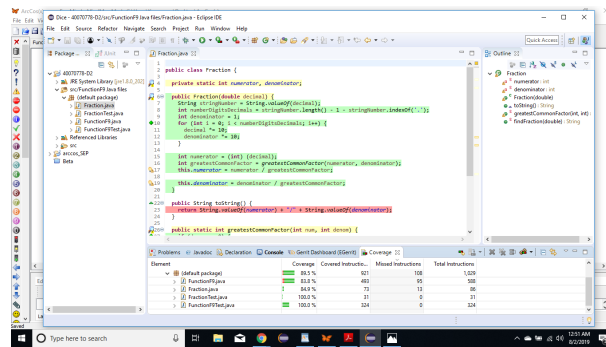6.Suggestions given accordingly.

Question 7

Function9.

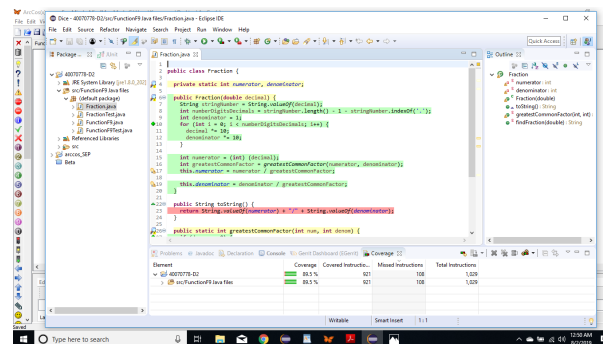**F9 By Sneha Sarkar.**

Review of Test cases

1.Proper package could be specified for test cases.

2.Different method could be created to write failure test cases and success test cases.

3.Instead of default package,dedicated package could be good approach.

4.No compilation error

5.Resource leakage should have been properly handled.

6.Indentations were not appropriate according to conventions which makes code harder to read.

Step by step process

1.Installation of Free Mind

2.Importing the project into Free Mind

(*a*) Setting up the environment.

(*b*) Installed jacoco to check code coverage.

3.Read the code Manually.

5.Testing if code is working properly by running test cases as well as manual testing.

6.Suggestions given accordingly.

1.   GitHub Repository

https://github.com/karamveer28/soen-6011-project

2. References

https://phauer.com/2018/code-review-guidelines/
https://sourceforge.net/projects/freemind/
https://checkstyle.sourceforge.io/
https://www.eclemma.org/jacoco/
https://www.gerritcodereview.com/