

Coding Standards

Coding standards define a programming style. It is a set of standards and guidelines which are/should be used when writing the source code for a program. The main advantages of coding conventions are maintainability, compatibility, readability. Coding convention makes easier for the distinct teams to interface and read the code of other teams.

Aspects of Coding Standards:

❖ Naming Conventions:

We have used CamelCase naming convention. All package names are in lowercase. UpperCamelCase is used for naming class, lowerCamelCase is used for naming methods. All the local variables, method parameters are following lowerCamelCase guideline.

❖ Layout:

To make the code more understandable and shore we have placed the open braces on the same line where the method starts.

❖ Indentation:

To convey the proper program structure we have used the formatter present in Eclipse tool. Depending on the code's environment while loop, for loops and if conditions are indented by providing single tab space. Horizontal whitespace and Line wrapping are done using the available formatter.

❖ Commenting:

We have commented each method, variables, classes to maximize readability and understandability. Comments are placed at the beginning of the classes and methods. Comments give a brief description about what that method does, parameters in it and return types. In few cases we have included the comments inside the methods to explain in detail.

❖ File Naming and Organisation: We have given the relatable names for files based the functionality and placed all the related files in the corresponding package.

❖ Exception Handling:

We have used both try and catch block and throws exception in our project. If there is any exception, we have used meaningful print statements which helps programmer to identify and fix the bug.

Javadoc comments are highly used in our projects which consists of special tags on classes, methods and member variables like @param, @return.