1. Passwords in .properties files should not be hardcoded
2. Remove System.out.println and add proper loggers
3. Add Javadoc comments in each file
4. Remove commented codes
5. Move the Hard coded Queries to constant file
6. Move the Hard coded values to constant file
7. Handle null pointer exceptions - Use optional
8. Write unit test cases for all scenarios
9. Use clear and intuitive Naming Conventions
10. No Empty Catch Blocks
11. Do not use printStackTrace in catch.Log or rethrow the exceptions
12. Avoid Too Many Parameters in Any Method
13. Keep Class Members as Private
14. For String Concatenation, Use StringBuilder or StringBuffer
15. Use Enums Instead of Interface
16. Avoid Using Loops with Indexes
17. Avoid Multiple if-else Statements
18. Use Finally Wherever Required
19. Document the Exceptions Properly
20. Catch the Most Specific Exception First
21. Use a Logging Framework
22. Follow SOLID Principles
23. Choose collections over arrays for greater flexibility