ICE-3204_NBWebApp

Code Review Report

Version <2.0>

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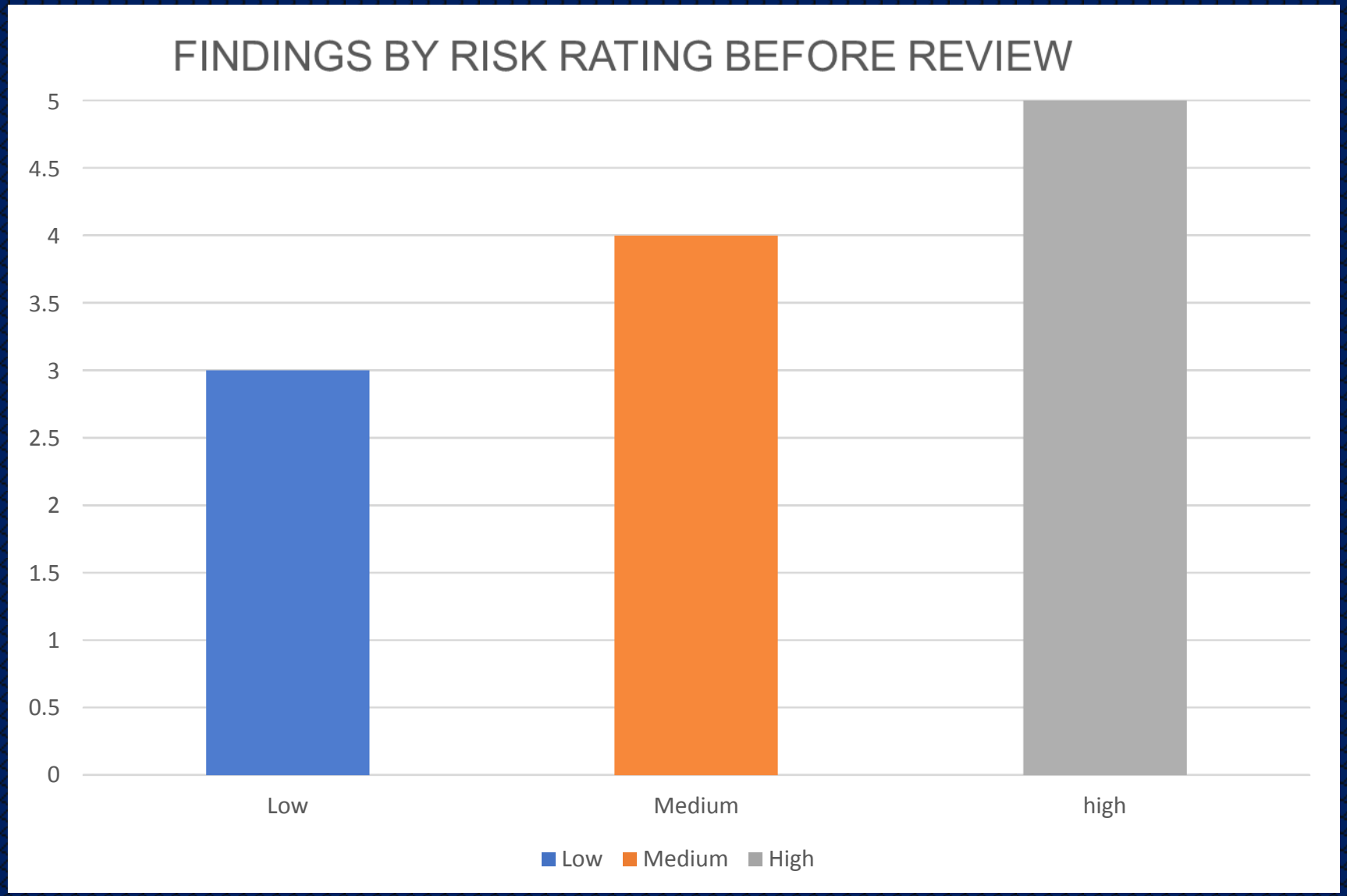
Source code review

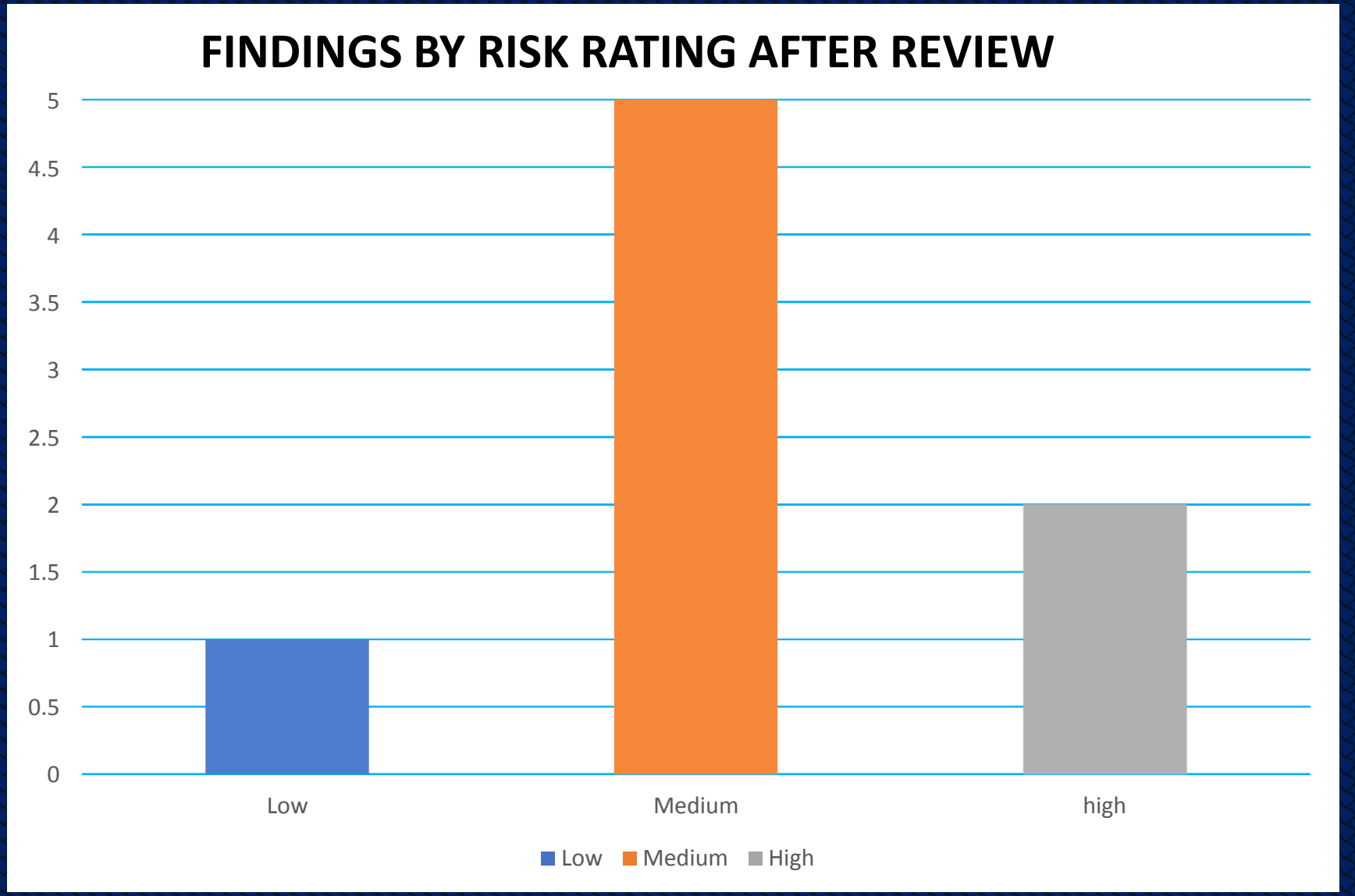
Source code review is a phase of the software development process where an assessment of existing or developing computer Source code is done. Code Review is a specialized task with the goal of identifying types of weaknesses that exist within a given code base.
The task involves:

1. Manual Code Review
2. Automated Code Review

THE BENEFITS OF CODE REVIEW

- Improves code quality
- Helps being familiar with the project
- Fixes vulnerabilities **in** initial stage
- Ensures Application complies with set standards
- Removes many security issues from the code
- Cost benefit as the effort required is lessened
- Leads to small, self-contained increments
- Ensures that ideas can be understood from code
- Leads to review discussions visible to everybody
- Leaves room to develop alternative solutions
- Removes irregular formatting or inconsistencies
- Ensures to follow the standards defined by the organization


FINDINGS BY RISK RATING BEFORE REVIEW
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Low
Medium
high
Low
Medium
High


FINDINGS BY RISK RATING AFTER REVIEW
5
4.5
4
3.5
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2
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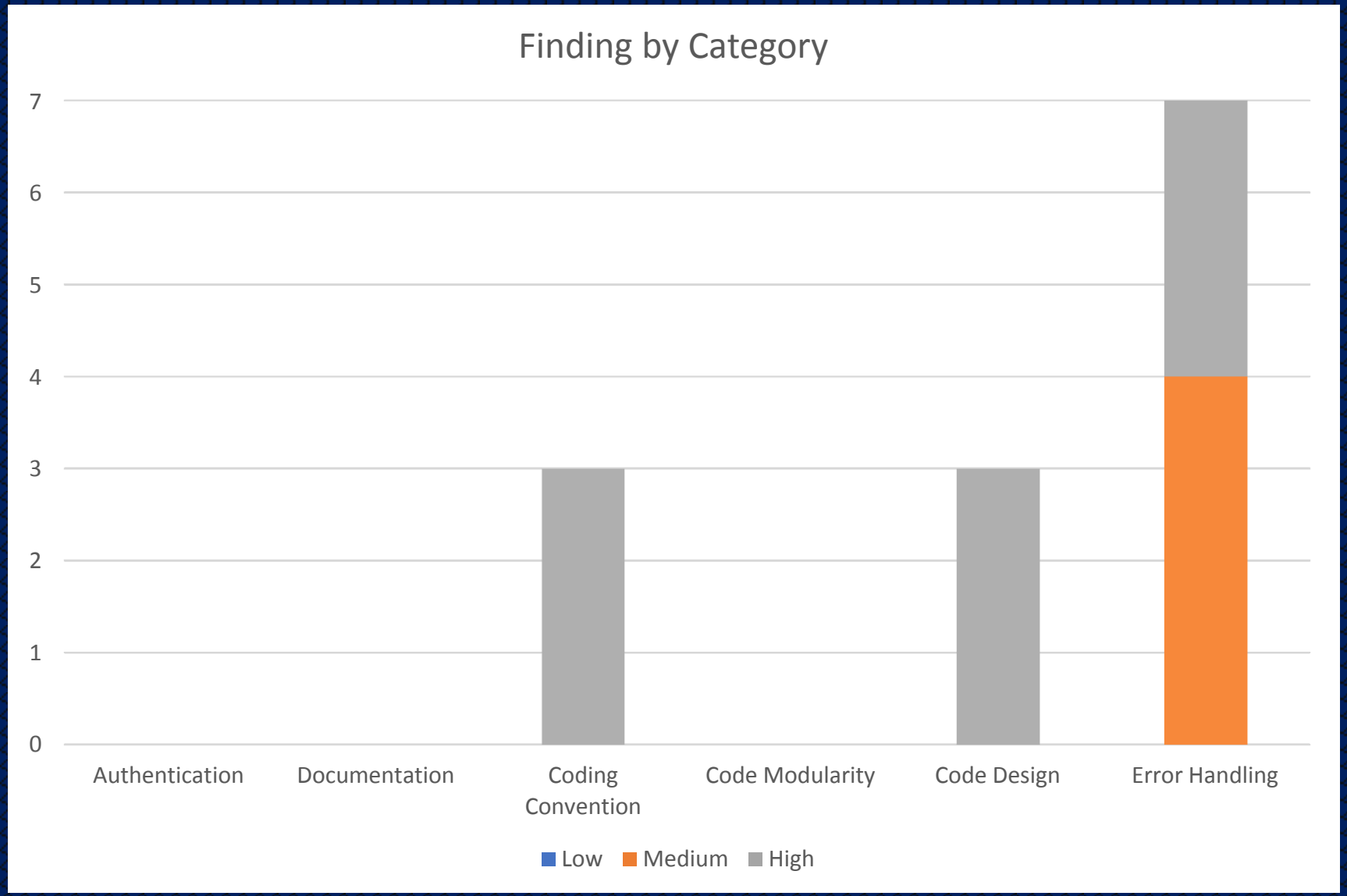
0
Low
Medium
high
Low
Medium
High


Finding by Category
7
6
5
4
3
2
1
0
Authentication
Documentation
Coding Convention
Code Modularity
Code Design
Error Handling
Low
Medium
High

FINDINGS

- Documentation problems
- Error handling
- Coding conventions
- Code Modularity
- Understandability
- Completeness
- Code design

Code Improvement after Review:

- Coding conventions
- Code Style and indentations
- Comments and documentations
- Code Cleaning
- Organizing code into framework
- Readability of the code
- Conclusion

Thank You