

CODE REVIEW GUIDE ADR

CONTEXT:

Quality Assurance when integrating features

PROBLEM:

Writing Code that is:

- Safe from bugs
- Easy to understand
- Ready for change

SOLUTION:

- Adhere to Coding Style Standards
- Use of camel casing for variables
- Adhere to the DRY Principle
- Check for comments
- Check Unit and Integration Tests
- Adhere to the failure fast principle
- Static checking fails faster than dynamic checking
- Dynamic checking fails faster than producing a wrong answer that may corrupt subsequent computations
- Avoid Magic Numbers
- One purpose for each variable
- Use good names
- Use Exceptions rather than return codes
- Use whitespace for readability