

Structure

- Does the code conform to the coding standards?
- Is the code well-structured, consistent in style, and consistently formatted?
- Are there any uncalled or unneeded procedures or unreachable or commented code?
- Are there any leftover stubs or test routines in the code?
- Can any code be replaced by calls to external reusable components?
- Are there any blocks of repeated code that could be condensed into a single procedure?
- Are any modules excessively complex and should be restructured?
- Are names of artifacts consistent?

Documentation

- Is the code clearly and adequately documented?
- Is the comment format/style consistent across the code?
- Are unnecessary `system.debug` calls in the code?
- Are the methods including a description, `@param` & `@return`?

Variables

- Are all variables properly defined with meaningful, consistent, and clear names?
- Is the Java capitalization (camelCase) standard used?
- Are there any redundant or unused variables?
- Are all the variables correctly initialized?
- Arithmetic operations
- Are divisors tested for zero or noise?

Loops

- Are loop termination conditions obvious and invariably achievable?
- Are indexes or subscripts properly initialized, just prior to the loop?
- Can any statements that are enclosed within loops be placed outside the loops?
- Are DML operations placed inside a loop?
- Are SOQL or SOSL queries placed inside a loop?
- Are future method invocations placed inside a loop?
- Are Describe methods invoked inside a loop?
- Are emails sent from a loop?
- Are Batch Apex jobs executed from a loop?
- Are methods invoked from a loop that end up making a query, dml operation, sending an email, invoking an async method?



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Data Access & Manipulation

- Are methods bulkified?
- Does the code provide a proper exception handler?
- Does the code prevent SOQL and SOSL injection attacks by using static queries, binding variables or the escapeSingleQuotes method?
- Does the code use the enhanced SOQL for loop to query larg data sets?
- Are IDs hardcoded?
- Is record type information accessed by making queries?
- When usign custom settings, are custom settings validated for null values?
- Are queries returning a single record instead of a list?
- Are checks to avoid null pointer exceptions performed?
- Are indexes properly used when accessing collections (to avoid index out of bounds exception)?

Triggers

- Are triggers bulkified?
- Do triggers have logic inside?
- Are there more than one trigger per object?
- Does the code have validations to execute the code under the right conditions?

Visualforce

- Is the DOM id property defined for all elements?
- Is there any inline javascript?
- Is there any inline CSS?
- Are javaScript or CSS in the page?
- Are there any lists displayed in the page that may impact the view state?

Controllers

- Is there any SOQL or SOSL query inside the controller?



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