Structure

☐ Does the code conform to the coding standards?

☐ Is the code well-structured, consisten 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 excessivley 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 palced 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 a async method?

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?