

PSP2 Design Review Checklist

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Program	PSP 2	Program #	5
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Purpose	To guide you in conducting an effective design review
General	<ul style="list-style-type: none"> - Review the entire program for each checklist category; do not attempt to review for more than one category at a time! - As you complete each review step, check off that item in the box at the right. - Complete the checklist for one program or program unit before reviewing the next.

		1.Gestor Negocio	2. Vista App	3.Simpson	4. PrettyPrinting
Complete	Verify that the design covers all of the applicable requirements. <ul style="list-style-type: none"> - All specified outputs are produced. - All needed inputs are furnished. - All required includes are stated. 	x	x	x	x
Logic	<ul style="list-style-type: none"> - Verify that program sequencing is proper. Stacks, lists, and so on are in the proper order. Recursion unwinds properly. - Verify that all loops are properly initiated, incremented, and terminated. - Examine each conditional statement and verify all cases. - Verificar los flujos de control. 	x	x	x	x
Internal Limits	Where the design assumes or relies upon internal limits, determine if behavior is correct at nominal values, at limits, and beyond limits.	x	x	x	x
Special Cases	<ul style="list-style-type: none"> - Check all special cases. - Ensure proper operation with empty, full, minimum, maximum, negative, and zero values for all variables. - Protect against out-of-limits, overflow, and underflow conditions. - Ensure “impossible” conditions are absolutely impossible. - Handle all possible incorrect or error conditions. 	x	x	x	x
Functional Use	<ul style="list-style-type: none"> - Verify that all functions, procedures, or methods are fully understood and properly used. - Verify that all externally referenced abstractions are precisely defined. 	x	x	x	x
System Considerations	<ul style="list-style-type: none"> - Verify that the program does not cause system limits to be exceeded. - Verify that all security-sensitive data are from trusted sources. - Verify that all safety conditions conform to the safety specifications. 	x	x	x	x
Names	Verify that <ul style="list-style-type: none"> - all special names are clear, defined, and authenticated 	x	x	x	x

	<ul style="list-style-type: none"> - the scopes of all variables and parameters are self-evident or defined - all named items are used within their declared scopes 				
Standards	Ensure that the design conforms to all applicable design standards.	x	x	x	x
Specification	<ul style="list-style-type: none"> -Verificar: -Todas las clases están documentadas.(Javadoc) -Todos los miembros y métodos de la clase están documentados. (Javadoc) -La visibilidad de las clases, miembros y métodos cumplen con el estándar de codificación. 	x	x	x	x
Unit test	<ul style="list-style-type: none"> - Verificar que cada clase: - Tenga una clase de prueba. - Todos los métodos de la clase es probado. - Todos los métodos y clases deben estar documentados 	x	x	x	x