Deliverables self-checklist for programmers

Version 1.0

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N	Broad categor	Specific y category	Check point	Details of check	Nablarch	Note	architect	rchitecture		Checked by	Date	Comment
					dependent		Screen	Rest	Batch			
1	All	General	Line break code in	- The line break code in files must be the code		* Example	X	X	X			
			files	specified for the project.		Files such as Java, SQL, JSP, Shell and config files must all be						
						checked in the same way.						
2	All	General	Character code in files	- The character code in files must be the code		* Example	Х	Х	Х			
				specified for the project.		Files such as Java, SQL, JSP, Shell and config files must all be						
						checked in the same way.						
3	Java	General	Judgment of "" or	- The following API provided by Nablarch must be	Х	* When checking whether a value is set	Х	Х	Х		1	
			Null	used for "" or Null judgments.		Incorrect:						
				- Check whether a value is set		if (!"".equal(value)) {}						
				->StringUtil#hasValue		if (value != null) {}						
				- Check whether no value is set		if (!StringUtil.isNullOrEmpty(value)) {}						
				->StringUtil#isNullOrEmpty								
				- Unnecessary logical operators must not be used.		Correct:						
				Example of unacceptable operator:		if (StringUtil.hasValue()) {}						
				if(!StringUtil.isNullOrEmpty(hoge))								
				Use StringUtil#hasValue in this case.		* When checking whether a value is not set						
						Incorrect:						
						if ("".equal(value)) {}						
						if (value == null) {}						
						if (!StringUtil.hasValue(value)) {}						
						Correct:						
4	Java	General	Joining of character	- Do not combine potentially null strings as the		* How to address this	X	Х	Х			
			strings	string "null".		To join character strings that may be null, use a method such as						
						(Apache Commons) StringUtils#join.						

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5	Java	General	Close process during	- During reading and writing of files, refer to the	X		X	X	X		
			reading and writing	points below to check whether there is a close			1				
			of files	process.			1				
			5. mes	p. 55555.			1				
				(4) 14(1) 12(1) 12(1) 12(1)			1				
				(1) When writing to HttpResponse using			1				
				DataRecordResponse							
				->Not needed as a close process is performed on			1				
				the framework side.							
				the numework side.							
				(2) When writing a file using FileRecordWriterHolder							
				->Not needed as a close process is performed on							
				the framework side.							
				->However, FileRecordWriterHolder can only be							
				used during batch processing (it cannot be used							
				during screen processing).							
				(3) When reading and writing files using							
				DataRecordFormatter							
				->A close process must be executed.			1				
				(4) When reading and writing file-wine - different			1				
				(4) When reading and writing files using a different			1				
				class (standard Java class)							
				->A close process must be executed.							
6	Java	General	Method arguments	- Unused arguments must not be defined.		* Example:	X	X	Χ		
				- The minimum necessary arguments for the		If only one property in Dto is used, use only the property (not					
				method must be defined.		Dto) as an argument.					
				method mast be defined.		2 to, as an argument.					
7	Java	General	Boolean method	- Boolean must be passed to the method		* Reason	Х	Х	Χ		
			arguments	arguments, and branching must not be used when		In many cases, it is best to branch at the origin of the call and cal					
			•			separate methods.	'				
				processing these values.		separate methods.					
0	la	Cananal	Maniamonakana	Mania number no months about add to constant			V	V	V		
8	Java	General	Magic numbers	- Magic numbers must be changed to constants			X	X	X		
				and given suitable variable names.							
9	Java	General	Variable names that	- Variable names that are too abstract must not be		* Variable names that are too abstract	X	X	Χ		
			are too abstract	used.		Example of an unacceptable name: Pattern PATTERN					
						This variable name does not indicate the purpose of the pattern.					
						The intent needs to be clear from the variable name.					
						Example of a correction: EXTRACT_HOSTNAME_PATTERN					
						Example of a correction, Extract_nostivable_patteriv	1				
							1				
							1				
10	Java	General	Type-specific variable	- Type-specific names must not be used for variable		* Examples	X	X	Х		
			and method names	names or method names.		Examples of unacceptable names: XXXMap, XXXStr, etc.	1				
							1				
							<u> </u>			 	
11	Java	General	Names of methods	- Names such as isXXX, hasXXX or canXXX must be		* Example	Х	Х	Χ	 	
			returning Boolean	used.		Example of an acceptable name: hasError	1				
			20010011	- A name that clearly indicates the return value (true		->It can be envisioned that true will be returned in the event of	1				
							1				
				or false) must be used in the area indicated by XXX.		an error.					
							1				
12	Java	General	Character string	- Constant equals/heap) must be used (not		* Reason	V	X	X		
12	Java	General	_	- Constant.equals(hoge) must be used (not			^	^	^		
			comparison with	hoge.equals(constant)).		hoge.equals(constant) may cause a NullPointerException.					
			constants								

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13	Java	General	Method for judging	- Collection#isEmpty() must be used for this		* Reason	X	X	X				
			zero items	judgment when handling collections.		The code will be too long if zero items are judged after acquiring	1						
						the size.							
4.4	1.	6 1	D .	T		45 1							
14	Java	General	Dates	- The date type set to be used must not be		* Examples	X	X	X				
				incorrect.		Business date, system dates, etc.							
4.5			N . C				.,	.,	.,				
15	Java	General	Nest for method calls	- Up to two method call nests can be used.		* Reason	X	X	X				
						Readability decreases if too many method calls are included in a							
						method argument.							
						Example of unacceptable code:							
						setZZZ(convertXXX(getXXX(hoge,huga),getYYY(moge,moga).toSt	r						
						ing().subString(0,12)));							
						Example of acceptable code:							
						String foo = getXXX(hoge,huga);							
						String bar = getYYY(moge,moga),toString().subString(0,12);							
						setZZZ(convertXXX(foo, bar));							
16	Java	General	Sorting order of	- The order "public, protected, private" must be			Х	X	Х				
			methods	used.									
17	Java	Action	Error destination	- A forwarding destination must be set correctly for			Х						
				errors such as exclusive errors and validation errors.									
18	Java	Action	Automatically set	- Values that are set automatically, such as	X		X	X	X				
			items	@CurrentDateTime, cannot be set with individual									
				business logic.									
10	Java	Action	Instance variables	- Actions must not have instance variables.	V	* Evention	v	x	X		+		
15	Java	ACTION	instance variables	- Actions must not have instance variables.	^	* Exception	^	^	^				
						Cases in which functions such as the counter of batch output							
						items need to be achieved using an instance variable.							
\perp													
20	Java	Form	Domain definitions	- Domain definitions specified in the specifications			X	X	X				
			for forms	must be checked and the close investigation process									
				defined in the domain definitions must be correctly									
				implemented.									
21	Java	Database	Exclusive control	- Exclusive control using UniversalDao must be	X	* Implementation method	X	X					
		access		implemented for update processes.		1. Store the records to be updated in an entity.							
						*For screens, the above entity is stored in a session store when					1		
						displayed for the first time and is held for the duration of the							
						request.							
						Overwrite the items to be updated in the entity.					1		
						*Version numbers do not need to be overwritten in the entity as							
						-							
						these are updated automatically by the framework.							
						3. Execute the update process using UniversalDao.update(entity).	· [
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22 Java	Database access	Database access	 - As a general rule, UniversalDao must be used for database access. - A batch execution method (UniversalDao#batchInsert, etc.) must be used if the same SQL syntax is issued multiple times. 	X	* Operations provided by UniversalDao - Registration/batch registration - Registration/batch registration with a primary key specified *Used only for updating under exclusive control - Deletion/batch deletion with a primary key specified - Searching with a main key specified - Searching using SQL syntax	X	X	X			
23 Java	Database access	Multiple search results	- If SQL enabling multiple search results to be acquired is issues, the number of results must be judged correctly. - If one result is sufficient, SQL must be implemented so that only one result can be acquired. - SqlResultSet#get(0) must not be executed for SELECT expressions for which multiple results are returned.	х	* Reason If SqlResultSet#get(0) is executed for SELECT expressions that return multiple results, this may be due to issues such as missing search condition specifications or insufficient considerations during the design stage. Check the specifications.	X	X	Х			
24 Java	Database access	Zero search results	- Implementation when there are zero search results must be taken into account. Check the specifications and confirm that one of the following methods is used. (1) If the specifications indicate that zero results are possible - Zero results must be handled as indicated in the design specifications (e.g. error handling consisting of an on-screen user notification) (2) If the specifications indicate that zero results are not possible - Handling of zero results must not be	х	* Examples of handling of zero search results - Displaying "No search results" on screen - Raising an application exception	x	X	Х			
25 Java	Database access	Method for acquiring number of search results in list search	- UniversalDao#countBySqlFile must be used SqlResultSet#isEmpty must not be used, as this method judges the number of results on the current page.	Х		Х	X	Х			
26 Java	Database access	Acquisition of values from SqlRow	- A suitable acquisition method must be used (not casting with SqlRow#get()).	х	* Examples SqlRow#getString(), SqlRow#getBigDecimal(), etc.	Х	X	X			
27 JSP	General	Button submission control	- type="button" must be specified when using the following custom tags so that submission is not executed when the enter key is pressed. - n:button - n:popupButton - n:downloadButton	Х	* Examples type="button" specified as a tag attribute. Example of unacceptable code: <n:button uri="hoge/000">fuga</n:button> Example of acceptable code: <n:button type="button" uri="hoge/000">fuga</n:button>	X					
28 JSP	General	Linking of popup windows for input items	- n:changeParamName must be used when changing the request parameter name of information input in a screen and sending the information to a popup window.	X	* Reason When the request parameter name is changed using n:param before being sent, the value that is sent is the value indicated when the screen is displayed for the first time.	X					

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29	JSP	General	Submission outside	- n:a must be used (not n:submit) for submissions	X	* Reason	X					
			the application	outside applications.		The n:a tag needs to be used because submissions outside the						
						application do not have a request ID and are all inactive when						
						used as "submit" links.						
						* Exceptions						
						- When linking values to the main screen from a popup window						
						- The close button						
						- Links in the page						
20	ICD	C	Comment to the contract of the	Face of the state		*F	V					
30	JSP	General	Screens with only one		^	* Examples						
			input item	<input type="text"/> format (<n:text>, etc.), this</n:text>		- Screens where there is only a search condition (search box) and						
				must be placed above the text box containing		a search button						
				dummy text (display:none & disable) as an error		- Screens where there is only search condition 1 (radio button),						
				occurs if Enter is pressed with the focus on the text		search condition 2 (text box) and a search button						
				box.		(,						
				box.		*This is not done and not on the consist of Nightenshilt is necessarily						
						*This is not dependent on the version of Nablarch. It is caused by						
						the browser.						
31	Testing	General	Assertion of expected	- A suitable assertion method must be called for		* Examples	X	X	X			
			values	assertion targets.		- assertEquals type						
						- assertSqlRowEquals						
						- assertSqlResultSetEquals						
						- assertsqikesuitsetequals						
32	Testing	General	Table assertion	- EXPECTED_COMPLETE_TABLE must be used for	x	* Reason	x	X	Χ			
32	resung	dericiai	Tubic assertion		^		^		^			
				table assertion.		Omitted columns are not targets for comparisons when						
						EXPECTED_TABLE is used, but are compared as columns						
						containing default values when EXPECTED_COMPLETE_TABLE is						
						used.						
2.2	T+:	<u> </u>	E	OT-1/2	V		V	V	X			
33	Testing	Generai	Exception testing	- @Test(expected=IllegalArgumentException.class)	X		X	X	X			
				must be used (sending of exceptions must not be								
				confirmed using try-catch). However,								
				ExpectedException must be used when confirming								
				the details of exceptions.								
				- If multiple types of exception occur for one								
				method, a separate test method must be used for								
				each type of exception.								
34	Testing	General	Reviewed content	- Content to be reviewed must be checked to		* Reason	Х	Х	Х			
				confirm that there are no omissions.		The following files are easily omitted, so care needs to be taken.						
				committed there are no officialons.								
						- SQL files						
						- XML files		1				
						- fmt files		1				
								1				
							1	1		1		