Functional Software Design Verification Checklist

For Assessment of:	
Project Name	Tresno Batik
Document Name	SKPL & DPPL - ANNISA HUMAIRO.pdf
Date	11 – 25 - 2021
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	4.

Criteria	Yes / No / NA	Notes
1. System Architecture — A Software Design Description documents the environment for the application (e.g., software, hardware, and network architecture).		
a. Is the architecture design depicted using a figure?	Yes	Di perancangan arsitektur
b. Does the architecture design figure depict the software component(s), hardware, networks, and any other pertinent major software components (e.g., databases, operating systems) that support the complete system?	No	Perancangan arsitektur hanya tertera user dan fungsi
c. Is the overall software architecture, including the software component(s), hardware, networks, and any other pertinent major software components (e.g., databases, operating systems), described?	No	
d. Are the architectural components, including hardware, networks, operating systems, and databases, that are to be acquired specified?	No	
e. Is the software design consistent with existing system architecture documentation for the project?	NA	Tidak tertera software design pada dokumen
f. Is the software design consistent with the System Design Description for the project?	NA	
g. Is the software design consistent with existing policies, procedures, standards, and technological directives?	NA	
2. Software Design — A Software Design Description documents the domains, interfaces, and features that compose the design.		
a. Is the software design depicted in a figure as a set of domains, using a domain chart that specifies major components and their relationships?	NA	Tidak tertera software design dan chart pada dokumen
b. Are all of the domains specified in the set of domains appropriate?	NA	
c. Is each domain described individually?	NA	
d. Is the specified set of domains and associated detail comprehensive and complete?	NA	

Criteria	Yes / No / NA	Notes
e. Is each domain depicted in a function hierarchy chart that illustrates the component relationships within the domain?	NA	
f. Are the database domains, including their stored procedures and triggers, illustrated in the function hierarchy chart?	NA	
g. Is each component within the domain described?	NA	
h. Is a functional decomposition of each component into its lower-level functions and activities provided?	NA	
i. Does the functional decomposition of each component follow top-down design principles?	NA	
j. Are descriptions of the function tasks for each component specified?	NA	
k. Is the flow of data and control for each component or task specified in a diagram and/or description?	NA	
l. Are all required design features and capabilities addressed?	NA	
m. Is the software design consistent with existing policies, procedures, standards, and technological directives?	NA	
n. Are the software components that are to be acquired specified?	NA	
o. Are the design and technology to enable the exchange of information for all interfaces (e.g., application-to-application, database-to-database, other) described?	NA	
3. Data Design — A Software Design Description documents the shared data design of the software.		
a. Is the data dictionary specified in table form?	Yes	Pada dekomposisi data
b. Is each data element in the design listed in the data dictionary?	Yes	Semua data tertera pada DFD di dokumen sebelumnya (SKPL)
c. Is the definition of each data element in the system included in the data dictionary?	Yes	
d. Are the appropriate attributes that describe each data element in the system included in the data dictionary (e.g., data type, storage format, scale, bounds, default display format, mandatory fill, default value, list of functions, or other architectural features that can create and modify its values)?	Yes	Data element yang tertera : - Data type - Storage format - Length - key
e. Is the system's persistent/static data design depicted using a diagram?	NA	Tidak tertera data statis
f. Is the system's persistent/static data design described?	NA	
g. Does the system's persistent/static data design description specify its general configuration?	NA	
h. Does the system's persistent/static data design description specify the purpose for each of the persistent/static data design elements?	NA	

Criteria	Yes / No / NA	Notes
i. Does the illustration of the persistent/static logical data model or entity relationship diagram represent all tables that make-up the design?	NA	
j. Does the illustration of the persistent/static logical data model or entity relationship diagram for each database/data store include the structure of the database/data store?	NA	
k. Does the illustration of the persistent/static logical data model or entity relationship diagram for each database/data store include the relationship among the tables and structures?	NA	
l. Is the system's transient/dynamic data design described?	No	Tidak tertera secara terpisah, data diambil dari tabel dekomposisi data
m. Does the system's transient/dynamic data design description specify its general configuration?	NA	Tidak terdapat deskripsi data
n. Does the system's transient/dynamic data design description specify the purpose for each of the transient/dynamic data design elements?	NA	
o. Is the system's external interface data design described?	NA	Tidak terdapat deskripsi data eksternal interface
p. Does the system's external interface data design description specify its general configuration?	NA	
q. Does the system's external interface data design description specify the purpose for each of the external interface data design elements?	NA	
r. Is the system's data transformation design described?	NA	Tidak terdapat transformasi data
s. Is the purpose for each of the data transform design elements specified?	NA	
t. Are the transformation mapping rules for each of the data transform design elements specified?	NA	
u. Is the data design comprehensive?	NA	Tidak terdapat data design
v. Is the data design consistent with existing policies, procedures, standards, and technological directives?	NA	
4. User Interface Design — A Software Design Description documents the user interface for the application.		
a. Is the user interface for the application described?	Yes	Pada deskripsi perancangan antarmuka
b. Are the system requirements (e.g., performance or usability) associated with all of the user interfaces addressed?	Yes	Android, GPS, internet
c. Is the screen navigation hierarchy illustrated?	NA	Tidak terdapat gambar hierarki
d. Is the screen navigation hierarchy described?	NA	

Criteria	Yes / No / NA	Notes
e. Are other major categories of user functions (e.g., transactions, reports, administration) that require an interface addressed at an appropriate level of detail?	No	Fungi navigasi dengan GPS dan Augmented Reality tidak dideskripsikan secara rinci
f. For reports that use standard reporting tools (e.g., Crystal Reports) or standard data exchange languages (e.g., XML), are the form and formatting for the reports addressed?	No	Rincian form dan output navigasi tidak dideskripsikan
g. Are the major functions supporting each specified user interface addressed?	No	Hanya home page, menu took dan GPS
h. Is an image or mockup of each application screen included?	No	Tidak lengkap dan sesuai dengan kebutuhan fungsi
i. Is an image or mockup of each application report included?	NA	Tidak tertera interface output laporan
j. For each application screen, is a table specifying the field name and any descriptive field information for each field included on the screen?	No	Tidak tertera interface table data
k. Are values or descriptions for pick list fields specified?	No	
l. Are methods of derivation, calculation, or algorithms specified for fields that are derived or calculated?	No	Tidak tertera deskripsi perhitungan untuk setiap fungsi
m. Are functions or stored procedures referenced for each field that invokes functions or stored procedures for calculations or look-ups?	NA	
n. Are all user interfaces and user interface components specified?	No	Komponen pada interfaces tidak lengkap
5. Traceability — A Software Design Description (SDD) contains or refers to a Requirements Traceability Matrix (RTM) that assures that every requirement has been addressed in the design and that every design element addresses a requirement.		
a. Has the RTM from the Software Requirements Specification been updated to indicate traceabilty to the design elements documented in the SDD?	NA	Tidak tertera RTM
b. Does the RTM indicate that every requirement has been addressed by the design?	NA	
c. Does every design element address at least one requirement?	NA	