Functional Software Design Verification Checklist

For Assessment of:	
Project Name	WisataKita
Document Name	SDD WisataKita
Date	3 Mei 2023
Team	1. Adam Kevin Brahmana (1301200158)
	2. Ichsan Fadhlika Pangestu (1301204101)
	3. I Dewa Ayu Indira Wulandari Chrisna (1301204152)
	4. Muhammad Ali Akbar Filayati (1301204493)
	5. Rifaldy Bintang Ramadhan (1301194247)

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	
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?	yes	Dokumen SDD berisi diagram yang menunjukkan arsitektur perangkat lunak
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?	NA	Terdapat gambar komponen diagram atau daftar modul, namun tidak dideskripsikan secara rinci
d. Are the architectural components, including hardware, networks, operating systems, and databases, that are to be acquired specified?	NA	Menjelaskan secara spesifik OS, Database, hardware, namun tidak dengan network
e. Is the software design consistent with existing system architecture documentation for the project?	yes	Menggunakan Laravel dan CSS library tailwind
f. Is the software design consistent with the System Design Description for the project?	yes	Design aplikasi yang dibuat telah sesuai dengan deskripsi design system aplikasinya
g. Is the software design consistent with existing policies, procedures, standards, and technological directives?	No	
2. Software Design — A Software Design Description documents the domains, interfaces, and features that compose the design.	no	Tidak menggambarkan ui atau feature nya

Criteria	Yes / No / NA	Notes
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?	yes	Terdapat diagram yang menunjukkan relasi antar komponen
b. Are all of the domains specified in the set of domains appropriate?	yes	
c. Is each domain described individually?	no	Tidak ada penjelasan mendetail terhadap tiap domain
d. Is the specified set of domains and associated detail comprehensive and complete?	yes	kumpulan domain tertentu dan detail terkait relatif komprehensif dan lengkap. Ini mencakup aspek-aspek penting dari perangkat lunak WisataKita,
e. Is each domain depicted in a function hierarchy chart that illustrates the component relationships within the domain?	yes	
f. Are the database domains, including their stored procedures and triggers, illustrated in the function hierarchy chart?	no	bagan hierarki fungsi tidak secara eksplisit menggambarkan domain database, termasuk prosedur tersimpan dan pemicunya.
g. Is each component within the domain described?	yes	memberikan gambaran menyeluruh dari setiap komponen dalam domain software WisataKita. Hal ini mencakup penentuan tujuan,
h. Is a functional decomposition of each component into its lower-level functions and activities provided?	yes	dokumentasi menyediakan dekomposisi fungsional beberapa komponen ke dalam fungsi dan aktivitas tingkat yang lebih rendah contoh nya seperti login dan register
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?	yes	
k. Is the flow of data and control for each component or task specified in a diagram and/or description?	yes	Digambarkan diagram kelas nya
l. Are all required design features and capabilities addressed?	yes	
m. Is the software design consistent with existing policies, procedures, standards, and technological directives?	no	Tidak dijelaskan policies di dppl nya

Criteria	Yes / No / NA	Notes
n. Are the software components that are to be acquired specified?	yes	Komponen nya sudah ditentukan secara spesifik
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?	no	
3. Data Design — A Software Design Description documents the shared data design of the software.		
a. Is the data dictionary specified in table form?	no	Described in diagram
b. Is each data element in the design listed in the data dictionary?	yes	Dalam dokumen SDD terdapat tabel dan diagram yang menunjukkkan elemen data yang diperlukan
c. Is the definition of each data element in the system included in the data dictionary?	no	emen data tidak deskripsikan secara detail
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	Pada class diagram dan ERD, terdapat informasi berupa tipe data, ukuran data, visibilitas, dan sebagainya
e. Is the system's persistent/static data design depicted using a diagram?	yes	Terdapat class diagram dan ERD
f. Is the system's persistent/static data design described?	no	Diagram yang ada kurang mendeskripsikan secara detail
g. Does the system's persistent/static data design description specify its general configuration?	yes	Walaupun penjelasan yang diberikan kurang lengkap, namun class diagram dan ERD berisi informasi tipe data, ukuran data, dan visibilitas data
h. Does the system's persistent/static data design description specify the purpose for each of the persistent/static data design elements?	yes	Tujuan dari sebuah elemen data dijelaskan secara eksplisit melalui method dari tiap kelas pada class diagram
i. Does the illustration of the persistent/static logical data model or entity relationship diagram represent all tables that make-up the design?	yes	
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?	yes	
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?	yes	Penjelasan setiap class nya memiliki relatiopship yang jelas

Criteria	Yes / No / NA	Notes
l. Is the system's transient/dynamic data design described?	no	Diagram yang ada kurang mendeskripsikan secara detail
m. Does the system's transient/dynamic data design description specify its general configuration?	yes	Walaupun penjelasan yang diberikan kurang lengkap, namun class diagram dan ERD berisi informasi tipe data, ukuran data, dan visibilitas data
n. Does the system's transient/dynamic data design description specify the purpose for each of the transient/dynamic data design elements?	no	
o. Is the system's external interface data design described?	no	Only include system's external interface data (API) in software's architecture diagram
p. Does the system's external interface data design description specify its general configuration?	no	
q. Does the system's external interface data design description specify the purpose for each of the external interface data design elements?	no	
r. Is the system's data transformation design described?	NA	Tidak ada informasi mengenai data transformation design
s. Is the purpose for each of the data transform design elements specified?	NA	Tidak ada informasi mengenai data transformation design
t. Are the transformation mapping rules for each of the data transform design elements specified?	NA	Tidak ada informasi mengenai data transformation design
u. Is the data design comprehensive?	no	Kurangnya penjelasan yang mendetail dari setiap elemen data
v. Is the data design consistent with existing policies, procedures, standards, and technological directives?	yes	
4. User Interface Design — A Software Design Description documents the user interface for the application.		
a. Is the user interface for the application described?	NA	Tidak ada design user interface pada dokumen SDD
b. Are the system requirements (e.g., performance or usability) associated with all of the user interfaces addressed?	NA	Tidak ada design user interface pada dokumen SDD
c. Is the screen navigation hierarchy illustrated?	NA	Tidak ada design navigasi pada dokumen SDD

Criteria	Yes / No / NA	Notes
d. Is the screen navigation hierarchy described?	NA	Tidak ada design navigasi pada dokumen SDD
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	
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	
g. Are the major functions supporting each specified user interface addressed?	NA	Tidak ada design user interface pada dokumen SDD
h. Is an image or mockup of each application screen included?	NA	Tidak ada design user interface pada dokumen SDD
i. Is an image or mockup of each application report included?	NA	Tidak ada design user interface pada dokumen SDD
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 ada design user interface pada dokumen SDD
k. Are values or descriptions for pick list fields specified?	no	Tidak ada design user interface pada dokumen SDD
l. Are methods of derivation, calculation, or algorithms specified for fields that are derived or calculated?	no	
m. Are functions or stored procedures referenced for each field that invokes functions or stored procedures for calculations or look-ups?	yes	
n. Are all user interfaces and user interface components specified?	no	Tidak ada design user interface pada dokumen SDD
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	No RTM found
b. Does the RTM indicate that every requirement has been addressed by the design?	NA	No RTM found
c. Does every design element address at least one requirement?	NA	No RTM found