

Section A: General Questions in this section are about your organization, your role and experience.		
A1.	What is the number of employees working in yo	our organization? 1
A2.	How many employees are working on Software organization?	0-10%
A3.	How many employees are working on your curr If there are more projects running, pick the lar	• • • •
A4.	Which of the following activities do you performorganization? If you have Time spent (%): Programming Architecting Managing Consulting Maintenance, Service & Support Other	e not spent time on certain activities, then enter a 0 (zero).
	Experience (year): Programming Architecting	



Managing	
Consulting	
Maintenance, Service & Support	
Other	
A5. You have specified to spent time on other activi	es.
Dlagge gnesify this activity or activities	
Please specify this activity or activities.	
Section B: Web Application Specific The following set of questions is applicable to the application you are w	orking on.
B1. What is the average number of users per day as	anticipated at design
time?	
B2. What is the peak number of concurrent users do	uring operations?
The second of th	
B3. Which of the following components are used in	your web application?
Please specify the components (eg. Microsoft, Noa	le js, Cassandra).
1 00	SQL Database(s)
	NoSQL Database(s)
OI	RM (Object Relational Mapping)
D	OSL (Domain Specific Language)
Server side web frameworks (eg. Spring MVC, Expressjs, Ruby on Django, PHP	Rails, Python web framework by web framework by Symphony2)
	Rule Bases System(s)
Webse	rvices API (eg. RESTful, SOAP)
	Messaging Infrastructure
	CSS tools like SASS, LESS
CSS framewo	orks like Bootstrap or Foundation
Client side frameworks (eg. Angular, R	eact (+ Flux), Ember, Backbone)
Build tools (eg. Jenkins, Grunt, Gu	lp, Bower, browserify, webpack)
Test frameworks (eg,	JUnit, mocha, jasmine, Selenium



	Static page build tools like Jekyll	
	Device specific languages for iOS, Android	
	Other	
	Other	
B4.	Which of these aforementioned components are obtained from a Cloud Service?	
	This includes a PaaS, IaaS or SaaS.	
	SQL Database(s)	
	NoSQL Database(s)	
	ORM (Object Relational Mapping)	
	DSL (Domain Specific Language)	
Serv	ver side web frameworks (eg. Spring MVC, Expressjs, Ruby on Rails, Python web framework by Django, PHP web framework by Symphony2)	
	Rule Bases System(s)	
	Webservices API (eg. RESTful, SOAP)	
	Messaging Infrastructure	
	CSS tools like SASS, LESS	
	CSS frameworks like Bootstrap or Foundation	
	Client side frameworks (eg. Angular, React (+ Flux), Ember, Backbone)	
	Build tools (eg. Jenkins, Grunt, Gulp, Bower, browserify, webpack)	
	Test frameworks (eg, JUnit, mocha, jasmine, Selenium	
	Static page build tools like Jekyll	
	Device specific languages for iOS, Android	
	None of the above	
	Other	
	Other	
D <i>5</i>	C	
B5.	Suppose you start a new project or a major re-engineering of an existing application, which of these aforementioned components will	
	you use again for Web applications that have been rebuild or evolved?	
	SQL Database(s)	



NoSQL Database(s)	
ORM (Object Relational Mapping)	
DSL (Domain Specific Language)	
Server side web frameworks (eg. Spring MVC, Expressjs, Ruby on Rails, Python web framework by Django, PHP web framework by Symphony2)	
Rule Bases System(s)	
Webservices API (eg. RESTful, SOAP)	
Messaging Infrastructure	
CSS tools like SASS, LESS	
CSS frameworks like Bootstrap or Foundation	
Client side frameworks (eg. Angular, React (+ Flux), Ember, Backbone	
Build tools (eg. Jenkins, Grunt, Gulp, Bower, browserify, webpack)	
Test frameworks (eg. JUnit, mocha, jasmine, Selenium)	
Static page build tools like Jekyll	
Device specific languages for iOS, Android	
None of the above	
Other	
Other	
Other	
B6. What is the average lifetime of your application in number of years?	
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B6. What is the average lifetime of your application in number of years? An average lifetime is the number in years from start to new generation or evolution. A new generation starts when one of the components or subsystems is	
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B7. Within your organization how many application	ons share the same
overall architectural design?	
Architectural design in the field of software architecture or enterprise architecture provi domain. It also provides a common vocabulary with which to discuss implementat software architecture is a software architecture where the structures and respe	tions, often with the aim to stress commonality. A reference ective elements and relations provide templates for concrete
	in a particular domain or in a family of software systems.
http://dodcio.defense.gov/Portals/0/Docume	ents/DIEA/Ref_Archi_Description_Final_v1_18Jun10.pdf
	0-20%
	21-40%
	41-60%
	61-80%
	81-100%
B8. How often do you release new features?	
Instantaneou	usly, like with Continuous Delivery
Following a predef	rined release plan (like with sprints)
	Daily
	Approximately once a week
	Approximately once a month
	Other
Other	·
Other	
Section C: Process	
Section C. Hocess	
This section is about the processes and documentation.	
All questions apply to your organization, except otherwise mentioned	
The questions upply to your organization, except other wise mentioned	•
C1. Which of the following activities are typical fo	or software projects you
have worked on?	, z solon wie projecto y ow
Time spent (%):	
Initiation Phase The initiation of a system (or project) begins when a business need or opportunity is identified.	
System Concept Development Phase The Systems Boundary Document identifies the scope of the system.	
Planning Phase To ensure the products and /or services provide the required capability on- time and within budget, project resources, activities, schedules, tools, and reviews are defined	
Requirement Analysis Phase@Functional user requirements are formally defined and delineate the requirements in terms of data, system performance, security, and maintainability requirements for the system	
Design Phase The physical characteristics of the system are designed during this phase.	
ans phase.	



Development Phase The detailed specifications produced during the design phase are translated into hardware, communications, and executable software. Integration and Test Phase The various components of the system are integrated and systematically tested. Operations and Maintenance Phase The system operation is ongoing. The system is monitored for continued performance in accordance with user requirements, and needed system modifications are incorporated. Disposition Phase The disposition activities ensure the orderly termination of the system and preserve the vital information about the system so that some or all of the information may be reactivated in the future if necessary. Typical size of documents in A4: Initiation Phase The initiation of a system (or project) begins when a business need or opportunity is identified.		
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Integration and Test Phase The various components of the system are integrated and systematically tested.		
Operations and Maintenance Phase@The system operation is ongoing. The system is monitored for continued performance in accordance with user requirements, and needed system modifications are incorporated.		
Disposition Phase@The disposition activities ensure the orderly termination of the system and preserve the vital information about the system so that some or all of the information may be reactivated in the future if necessary.		
C2. Which of the following process methods are used		
	None, ad hoc	
	Waterfall	
Agile (Scrum, XP)		
RUP (Rational Unified Process)		
RAD (Rapid Application Development)		
V-model		
TDD (Test Driven Development)		
DSDM (Dynamic Systems Development Method)		
CMMI (Capability Maturity Model Integration)		
	Dulmar 2	
	Prince2	



		Other		
Other			•	
Other				
C3. What types of tools do you use during your desi	gn process?	'		
% of the time: Sketches like annotated block / line diagrams (eg. Whiteboard, Flipover,				
Powerpoint or equivalent)				
Documented concepts in written language like Word documents				
Technical documents (eg. UML, SysML, ERD, Database models)				
Experimenting, building proofs of concept				
Verbal communication				
Other (specify in the box below)				
How many are typically created during the process	?:			
Sketches like annotated block / line diagrams (eg. Whiteboard, Flipover, Powerpoint or equivalent)				
Documented concepts in written language like Word documents				
Technical documents (eg. UML, SysML, ERD, Database models)				
Experimenting, building proofs of concept				
Verbal communication				
Other (specify in the box below)				
C4. Other		, ,	, , ,	
C5. How do you ensure that knowledge about feature design decisions etc. is maintained? % of total:	res, implementation	ns,		
Sketches like annotated block / line diagrams (eg. Whiteboard, Flipover, Powerpoint or equivalent)				
Documented concepts in written language like Word documents				
Documented code (with tools like JavaDoc, JSDoc or no tools)				
Technical documents like eg. UML, SysML, ERD, Database models,				
Experiments, proofs of concept				
Verbal communication				
Other				



C6.	Other
Secti	ion D: Final questions
D1.	What are your three top priorities in software development?
D2.	What are your three top priorities in software development when you need to successfully maintain software in the longterm?
D3.	If you like to receive the results of this questionnaire, than leave your email address.