

QE Training Part 1 Cheat Sheet by mnp003 via cheatography.com/30206/cs/8959/

Introduction			SDLC Models (cont)				SDLC Models (cont)				
Manual Testing		Automation		V- Model	-Test in all phases	ADV: - continuous testing -Usable -Doable	DIS: -if you do not test correctly;wr ong product	Agile (Iteration	- Implementation/De	-won't	
1. Takes more time		1. Takes less time						Detail	er Testing		p outdati
2. Cheaper if executing 1,2, or 3 times		2. Execution is faster						Sprints 1-2 weeks)	-QA/Acceptance Testing -(Deployment)		fast;ad -4 itera
3.Execute Manually First		Don't automate anything not linked or completed		Iterative (small version	Repitition				- Evaluation/Prioritzation -Detailed Requirements		1
4. Non-stable build		4. Executing more than 3 times									
SDLC Models			of agile)					-Design/Analysis			
Waterfall - (for F small C project) - I		simple -easy to cion follow	DIS: -slow;time consuming -deliver a wrong product -teams don't interact	Spiral	Planning, Risk Analysis, Evaluatio n, Engineeri ng	-unit testing -create a prototype of each design	-keeps iterating -takes more time - complicated to understand	Stages of SDLC (Ask for Access) 1. Requirement Gathering -what doe client war -analyze,ş - feasibile much time			want yze,prod sibile? h
	Deployment Maintenance		design/implement to meet requirement -software delivered to next					2. Designing (Architecture; How it will look)		analy	



By mnp003 cheatography.com/mnp003/

team

Not published yet. Last updated 29th August, 2016. Page 1 of 3. Sponsored by **Crossv** Learn to solve cryptic http://crosswordcheat



QE Training Part 1 Cheat Sheet by mnp003 via cheatography.com/30206/cs/8959/

Stages of SDLC (Ask for Access) (cont)

6. -enhancements

Mainte -bug fixes

nance -new feature
 additions
 -Acceptance
 Testing

(alpha/beta)
-Alpha:done by
testers; go to the
csutomer's,install
,test it

-Beta: Live testing

Software Development Life Cycle

A process to develop quality software

A process we follow to develop and deliver

SDLC is a process used to design, develop, and test high quality software

Continuous Process

Meets or Exceedscustomer's expectationsReaches completion

within times and cost estimates

■ Assures that we are
□ Meeting the

requirements

■ Deliver on time

□Should be quality

Software Testing

process of watching with the requirements

☐ check for correctness,completeness,and quality

 $\ \square$ if it is missing something it is a bug

□ 1)Validation 2)Verification

□ requirement doc

□business doc

□software

meets requirements

works as expected

a can be implemented with the same

characteristics

STLC (Software Testing Life Cycle)

1.Requir -properly documented/updated ement verific ation -how to test -how Design -what to test? will Test tools?framework? you Strategy required resources decide what going to be done 3.Test -who will test -what Planning vou resources/schedule/TC are

4. Test -write TC

Develop ment

Case

STLC (Software Testing Life Cycle) (cont)

5. -software -server
Enviornme -hardware to deploy
nt Setup testing
environm
ent

6. -automate -Automation TC automate

test the 1st software execute later

7. Test -execute tests
Execution

8. Report -report -tell m-Defects defects report -log defect defects

against -log automation defect against automatio

nanager

defects

of

9. -defects -what's Regression fixed fixed or Test not

10. Test -create and submit Reports

Principles of Software Testing

Principle -prove there are defects

(presence of defects)

Principle -100% testing

(exhaustive is

impossible)

Principles of Software Testing (cont)

Principle -Early Testing 3

Principle -Defect clustering;
4 categorize based on severity, highest priority,needs

Principle -Pesticide 5 Paradox dependen cies

Principle -Testing is -log
6 context defects
dependent -what
vou're

testing

Principle -Absence
7 of errorsfallacy

of missing the errors

Feature

chances

Bugs Can Be...

Defect Incident Inconsisten
cy
Fault Anomaly Product
Anomaly

Problem Variance Product Incidence

Failure

C

By **mnp003**

cheatography.com/mnp003/

Not published yet. Last updated 29th August, 2016. Page 2 of 3.

going

to test

each

phase

in

Sponsored by CrosswordCheats.com
Learn to solve cryptic crosswords!
http://crosswordcheats.com

Error



QE Training Part 1 Cheat Sheet by mnp003 via cheatography.com/30206/cs/8959/

Verification	ı & Validati	on/QA/QC		Levels of Te	sting (cont)		Testing Tech	ıniques (Grav	Box)	Testina I	Methodolo	gies (c
Verification	-is the require ment proper	-are we on the right track? -static documents	-audits	User Acceptance Alpha:lab, Beta: Testing what's in Produ- production ction(end		Testing Techniques (Gray Box) (cont) Advantages: Combined benefits, unbiased testing, intelligent test authority Disadvantages:Partial code			Integrati on Testing Security Testing Service level Testing	-if interface behasharing btw the working as spec-to ensure prote unauthorized so		
Validation	building the right thing	-dynamic	-whether we have built it right -system testing	Testing Techniques (Black Box) Don't have to understand/touch code			Testing Methodologies Governance -services conform to standards, policies, and objectives			Function al testting, Perform ance	comp nsive state of qu	
Quality Assurance Quality	process oriented -assure quality	-STLC - implement process	- preventive activities	E Check fund functional Advantage	vantages: efficient, sed, easy to execute, no		Process Testing	-services are operating collectively as specified	process being followed or not?		Testing, Security Testing	
Control Product- oriented-		corrective process -test cases	product - corrective process	Disadvantages: Localized testing, blind coverage, inefficient, test authority(system testing)		Unit Testing/Serv ice- Component Level	-test the code	function				
Integrati -a on Testing System - Testing Fi	-line heck of co	ode s fit when inte	egrated mance, ibility,	Testing Techniques (White Box) understand designs, programming language, unit test cases (execute and develop) Advatages: effective, early defect identifying, reveal hidden code flaws, full code pathway capable Disadvantages: Difficult to scale, cultural stress, highly			System Testing	-business requirement s defined and met acceptance criteria	works end-to-			
у				Mixture of	nniques (Gra black and wh box, partial a	y Box) ite						



By mnp003 cheatography.com/mnp003/

Not published yet. Last updated 29th August, 2016. Page 3 of 3. Sponsored by **CrosswordCheats.c** Learn to solve cryptic crosswords! http://crosswordcheats.com