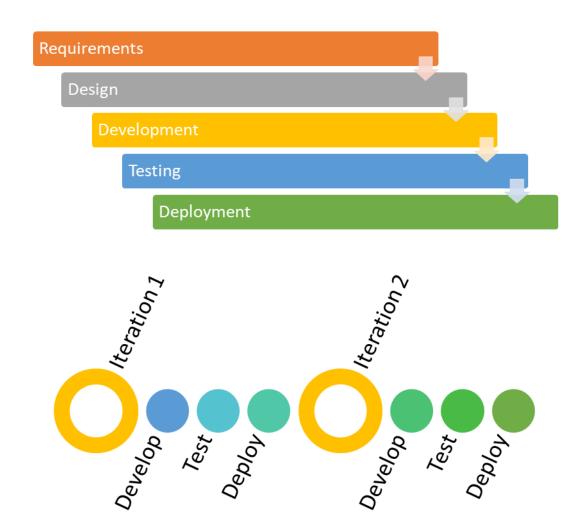
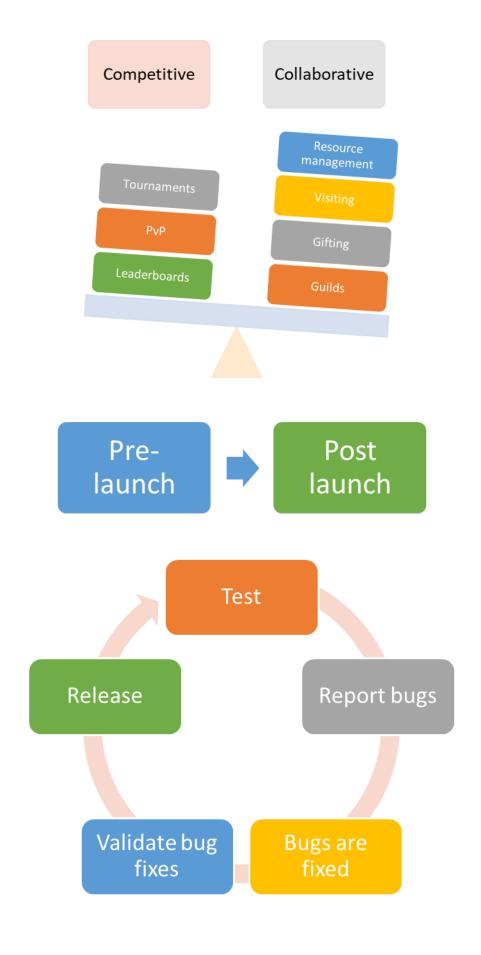
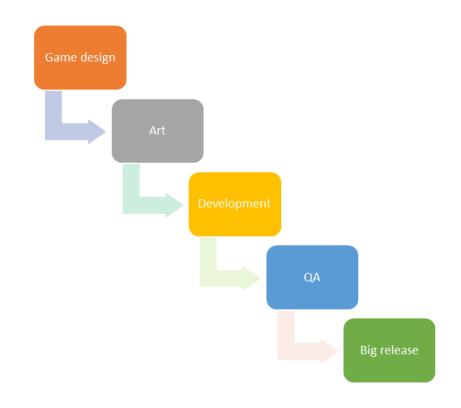
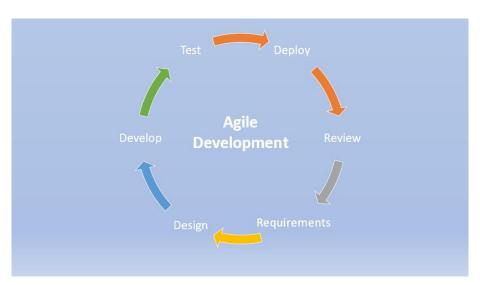
Chapter 01: Setting the Stage – Introduction to QA for Modern Games

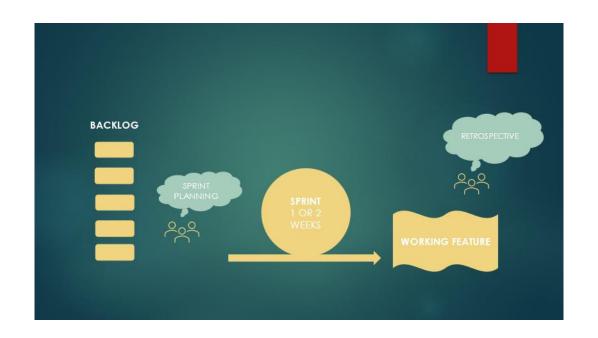


Chapter 02: All Engines Go – The Basics of Game QA







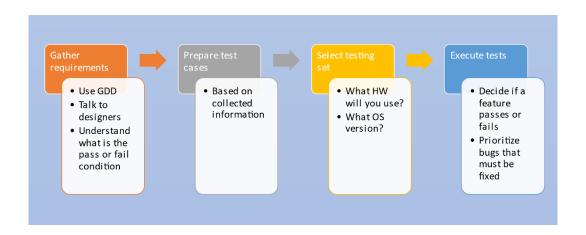


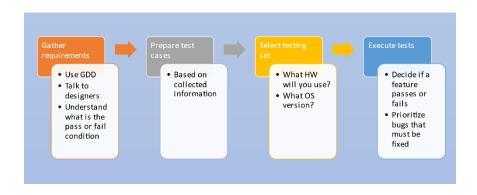
To Do Execute Test Done

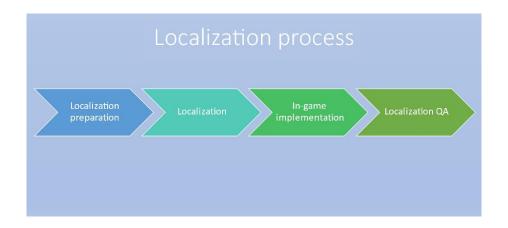
Task 1 Task 3 Task 5 Task 7

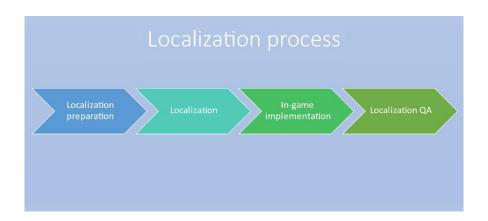
Task 2 Task 4 Task 6 Task 8

Chapter 03: A Deeper Look – Types of Testing in Games

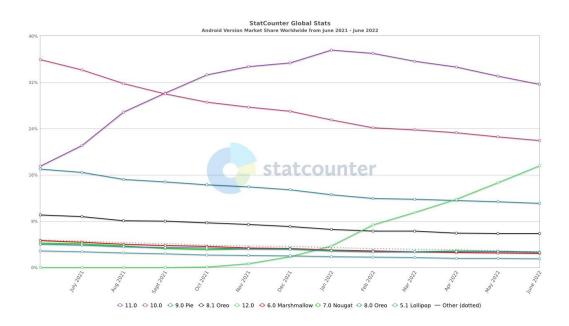


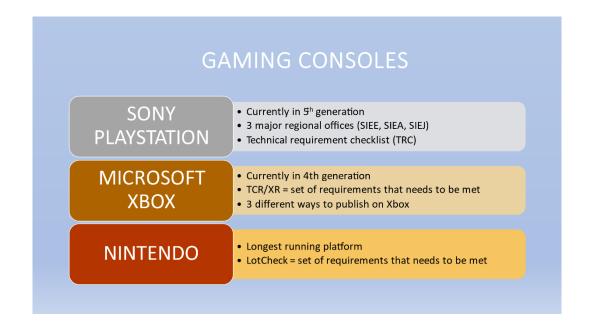


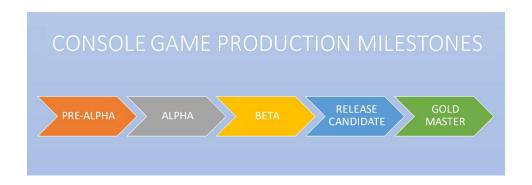


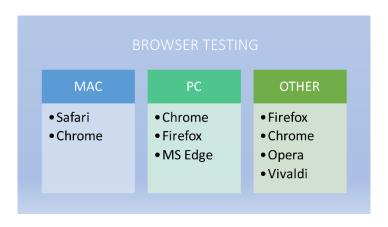


Chapter 04: Deeper Look – Testing on Various Gaming Platforms – Mobile, PC, and Console

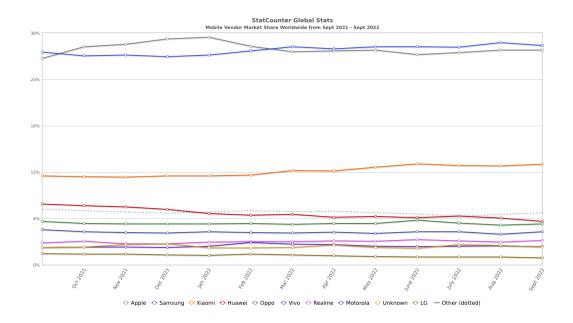








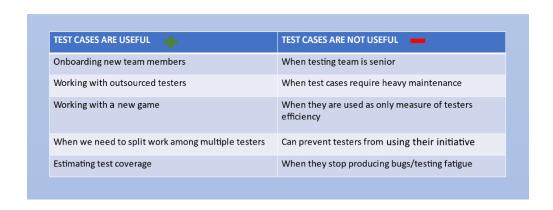
Chapter 05: It Must Be Hardware: Testing Hardware in Modern Game QA

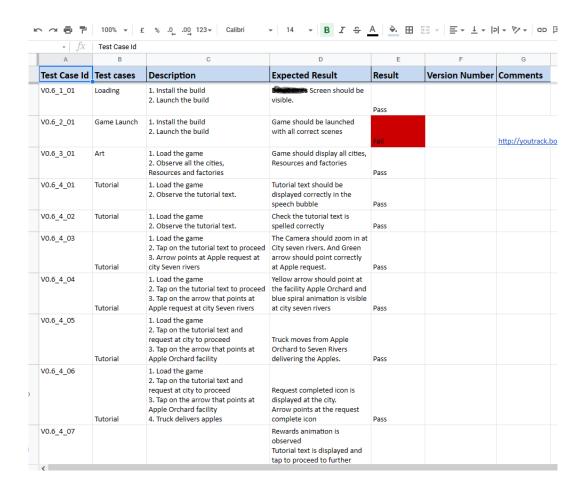


Samsung	Apple	Xiaomi	Huawei	Орро	Vivo		
28.43%	27.73%	13.04%	5.66%	5.32%	4.29%		
Mobile Vendor Market Share Worldwide - September 2022							

DEVICE	PROCESSORS	GPU	DISPLAY	SCREEN RATIO	MEMORY	ANDROID OS
Samsung Galaxy S22 Ultra	Octa-core (1x2.8 GHz CortexX2 & 3x2.50 GHz Cortex-A710 & 4x1.8 GHz Cortex A510) - Europe	Xclipse 920 Europe	Dynamic AMOLED 2X, 120Hz, HDR10+, 1750 nits (peak), 6.8 inches, 114.5 cm2 (~90.0% screer-to-body ratio), 1440 x 3080 pixels	19.5 : 9	512GB 12GB RAM	Android 12
Google Pixel 6 Pro	Octa-core (2x2.80 GHz CortexX1 & 2x2.25 GHz Cortex-A76 & 4x1.80 GHz Cortex-A55)	MaliG78 MP20	LTPO AMOLED, 120Hz, HDR10+, 6.7 inches, 110.6 cm ² (~88.9% screen-to- body ratio) 1440 x 3120 pixels	19.5 : 9	128GB 12GB RAM	Android 12
Oppo Find X5 Pro	Octa-core (1x3.00 GHz CortexX2 & 3x2.50 GHz Cortex-A710 4x1.80 GHz Cortex-A510) - Global	Adreno 730	LTPO2 AMOLED, 1B colors, 120Hz, HDR10+, BT.2020, 500 nits (typ), 800 nits (HBM), 6.7 inches, 108.4 cm2 (~89.6% screen-to-body ratio), 1440 x 3216 pixels	20:9	256GB 12GB RAM	Android 12

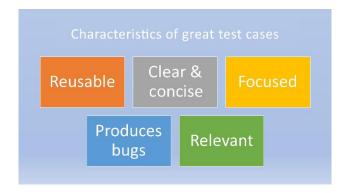
Chapter 06: Friend or Foe – Test Cases



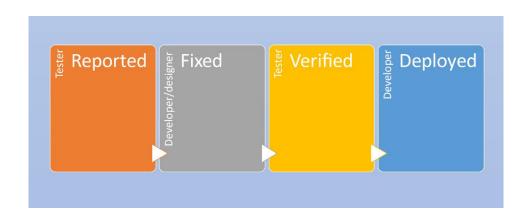


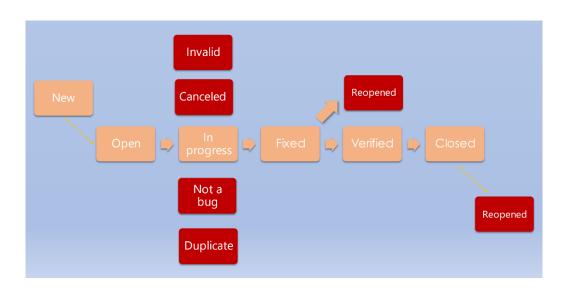
Α	В	С	D	E
Not Checked	Pass	Fail	Blocked	N/A
14	0	0	0	0
% of Test Pass				
Complete	% for Review before Sign Off	Total Checks		
0.00%	100.00%	14		
- · · ·				
Test Case	Expected	Status Tester	Co	mments
		Name		
		Device		
Facebook Conn	ect			
	Verify that new user can connect to Facebook	Not checked *		
	Verify that progression loads correctly for already connected user	Not checked *		
	Verify User is able to disconnect the connected FB account using Logout in game settings.	Not checked *		
Invite				
	Verify that user can invite a friend	Not checked ▼		
Notifications	Verify that invited friend receives a notification	Not checked *		
should appear in Facebook app	Verify that tapping received notification opens the App store for invited friend	Not checked ▼		
and browser	Verify that if a invited friend is an existing player, tapping on notification opens the game	Not checked ▼		
Requests				
	Verify that Tapping on Ask button directs to list of friends in FB	Not checked *		
	Verify that the friend receives a invite request notification	Not checked *		
	Verify that tapping on received notification opens the game for requested friend	Not checked ▼		
Sharing				
	Verify that user can share an event on Facebook	Not checked *		
	Verify that Event share appears correctly on users wall	Not checked *		
	Verify that share appears correctty on users wall	Not checked *		
	Verify that user share has correct art and text	Not checked *		

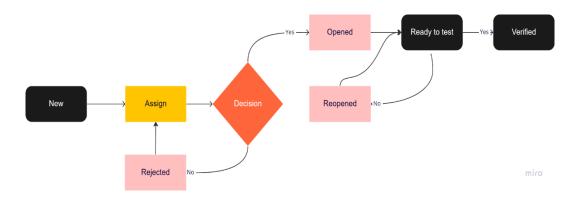
3. Start the gar 4. Go to level 5. Something n 6. If it shows be	can finish							
Test case name: make sure you Test steps: 1. Pick up the p 2. Turn on the 3. Start the gar 4. Go to level 5. Something n 6. If it shows be	can finish							
Test steps: 1. Pick up the p 2. Turn on the 3. Start the gar 4. Go to level 5. Something n 6. If it shows be	can finish							
2. Turn on the 3. Start the gar 4. Go to level 5. Something n 6. If it shows be	carr minor	random le	vel					
3. Start the gar 4. Go to level 5. Something n 6. If it shows be	ohone							
4. Go to level 5. Something n 6. If it shows be	2. Turn on the phone							
5. Something n 6. If it shows be	3. Start the game							
6. If it shows be	4. Go to level							
	5. Something might show on the screen before							
7. Ok novy vov	6. If it shows before, it might be OK, but make sure it looks good							
7. Ok now you	7. Ok now you should be in the level							
8. Check if ther	8. Check if there is another player also in the level							
9. Do you have	both pict	ures?						
10. Look for dif	10. Look for differences.							
11. Can you fin	11. Can you find differences in pictures?							
12. You must b	eat other	opponent						
13. You finish a	and get a r	eward						
Expected outcome: Everything wor	rks							
Status: Pass								
Yes								
No								

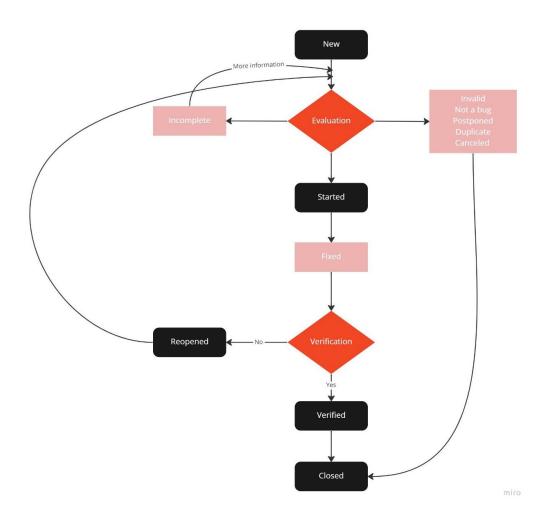


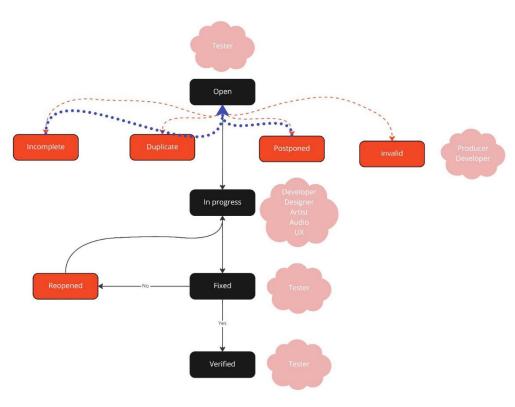
Chapter 07: It Works on My Machine: Bug Flow





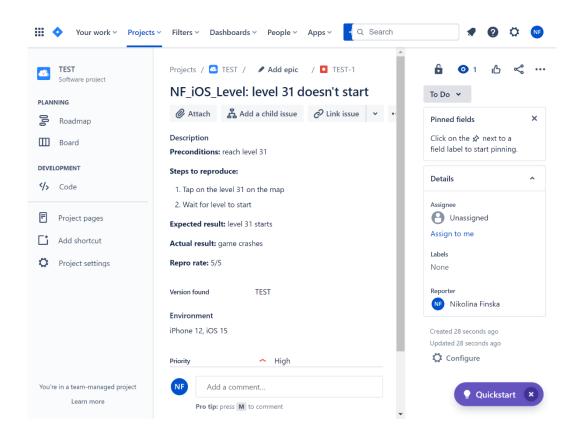


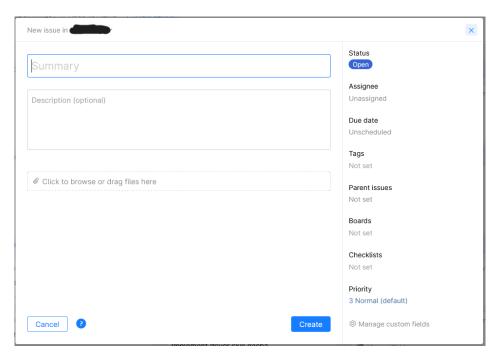


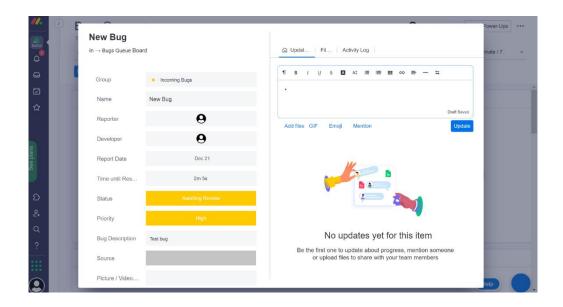


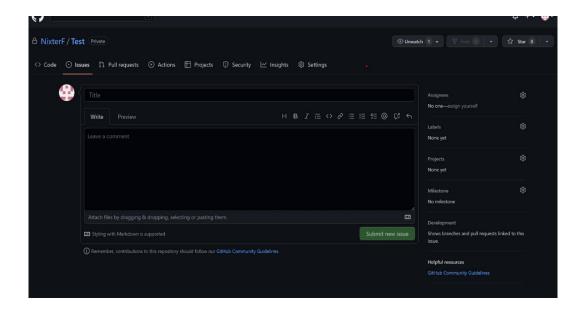
TO DO		IN PROGRESS				
	DESIGN	ART	DEVELOP	TEST		
FEATURES						
BUGS						

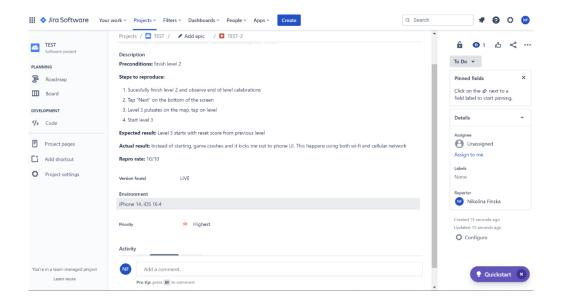
Chapter 08: I Thought I Fixed That: How to Write Efficient Bug Reports

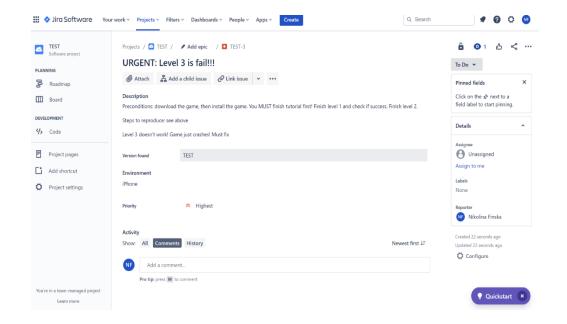




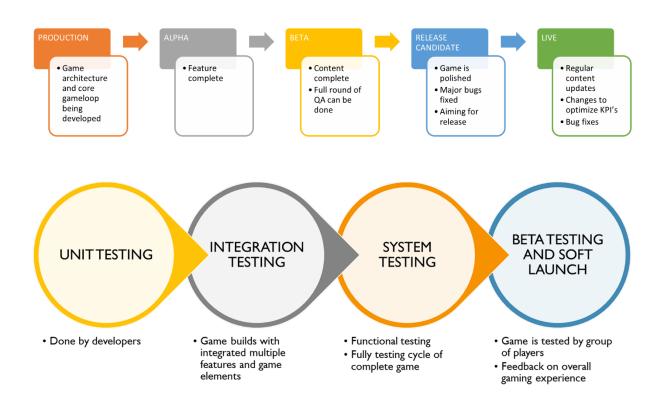


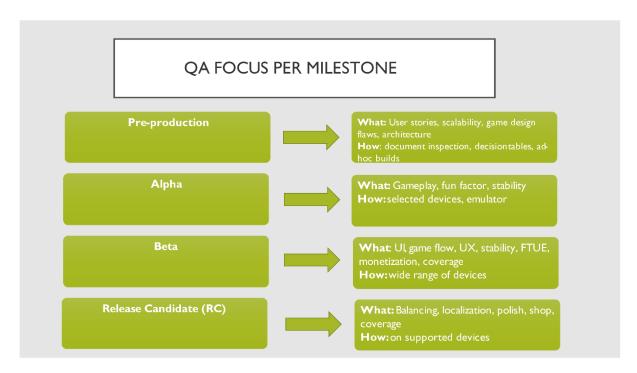




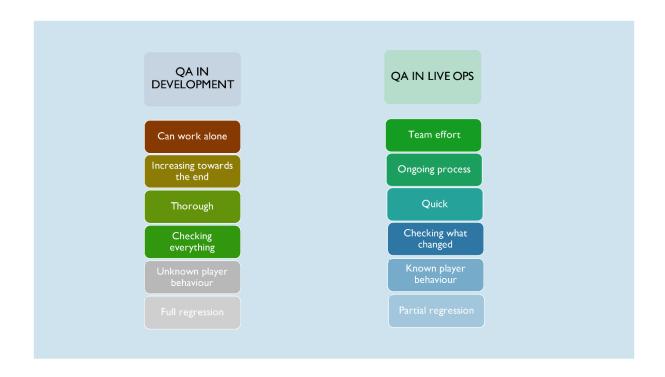


Chapter 09: It Works, but It Hasn't Been Tested: Testing Approach

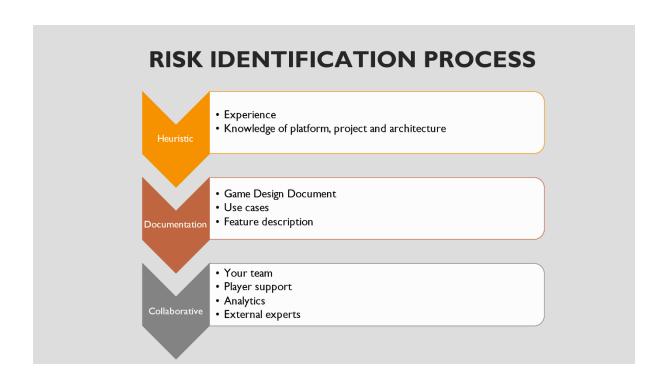


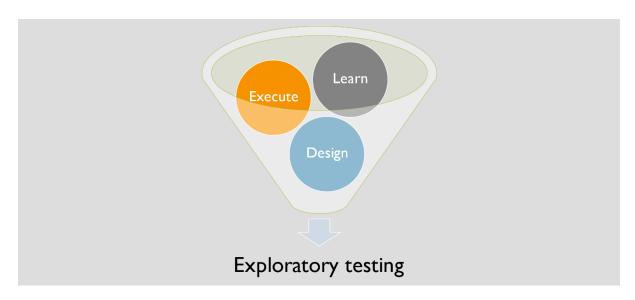


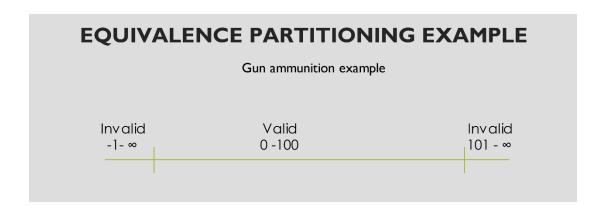
CASUAL GAMER	CORE GAMER
Short gaming sessions, up to 5 minutes	Longer sessions, 30 minutes or more
Plays for fun, to kill time	Passionate about game, dedicated to skilling up
Solo play or light multiplayer (like leaderboards)	In game community, multiplayer preference
Infrequent player, might be days between sessions	Sometimes plays multiple times per day
Looking for fun, relaxation, and completion	Looking for competition, excitement and, challenge
Doesn't buy specific or high-end HW just for gaming	Will purchase HW for optimized gaming, early adopter

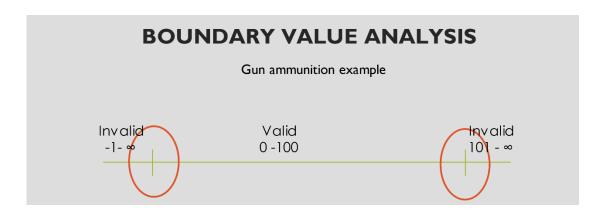


Chapter 10: Eat, Sleep, Test, Repeat: Test Methodology









CONDITION	ACTION	OUTCOME
Player enters active combat	Pulls out weapon	NPC attacks
Player runs out of ammo	Tries to shoot	Need more ammo! Message triggers
Player is in a safe zone	Pulls out weapon	Safe zone rules trigger and weapon is turned back to inventory
Player is in active dialogue	Pulls out weapon	NPC pulls their weapon and dialogue is stopped.

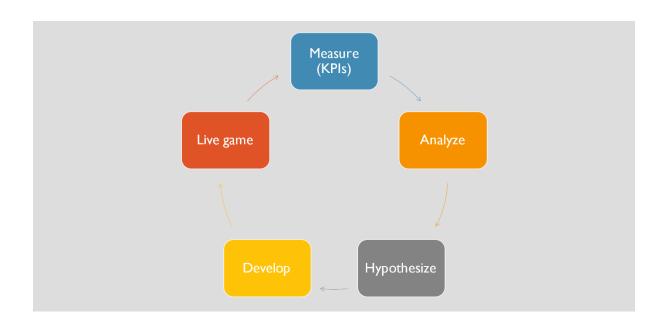
CONDITION	ACTION	OUTCOME
Player enters active combat	Pulls out weapon	NPC attacks
Player runs out of ammo	Tries to shoot	Need more ammo! Message triggers
Player is in a safe zone	Pulls out weapon	Safe zone rules trigger and weapon is turned back to inventory
Player is in active dialogue	Pulls out weapon	NPC pulls their weapon and dialogue is stopped

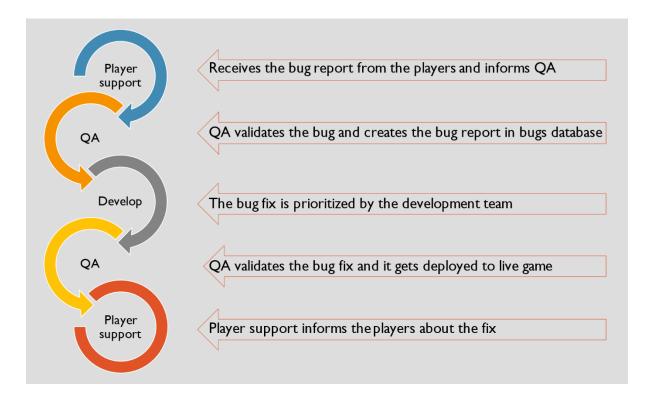
Chapter 11: Are You on the Right Version? Live Ops and QA

Prototyping Pre production Production Pre Production Release



Content Feature Live bugs updates updates New Regularly Fixing bugs Mandatory found in the updated features technical new that add a live game updates content different Engine dimension Usually updates to the game every 2 or 4 Platform weeks Upgrading requested existing New levels, updates features character Support for with new packs, cards, new devices elements game areas and OS etc. versions · New events





Chapter 12: Beyond Testing – Introduction to Test Management

		1
Testing hours total:	30	
Android testers:	2	
iOS testers:	2	2
]
Model	Platform	Version
iPhone X	iOS	11.1
Galaxy S7	Android	7.0
Oukitel K10000	Android	6.0
Bugs Found		
Priority	Amount	
Highest	1	
High	2	2
Medium	3	3
Low	4	
Lowest	Ę	5
Build(s)		
Android	1.33.7	
iOS	1.33.7	

FUNCTION	POINT	SIMPLE I	AVERAGE 3	COMPLEX 5	TOTAL POINTS	
CHAT	5	X	3	X	15	
GUILDS	10	X	X	5	50	
FUNCTION TOTAL	X	X	X	X	65	
ESTIMATE DEFIN	2.25h					
TOTAL EFFORT	TOTAL EFFORT (PERSON HOURS)					

Chapter 13: There Are No BUGS Without U – QA and the Game Team

