

End To End Testing for Mugdho Gaming App Testing



Testing Artifact

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=	2350 (Total Test Case)	=
=	1 (Testing Project Management Tools)	=
=	5 (Bug Reporting Project)	=
=	5000 (Resource/Image/Audio/Animation Audit)	=
=	3 (Dedicated Person)	=
=	Weekly Review Reporting	=
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Project Description

About ten percent of people suffer from some kind of challenge and disability. Through proper education and training, they can contribute significantly without being a burden to society.

In developed countries, the government is responsible for their education, training and rehabilitation. Our government has also taken many steps to improve the living standards of these individuals with disabilities.

So to align with them Bangladesh Government also intends to develop some special mobile games for autistic children that will help bring them back into the mainstream.

Responsibilities

- Developed and executed test plans and test cases for new features and updates.
- Responsible for playing through the game to identify and report any defects or issues with the gameplay
- Once a defect is found, it's crucial to document it clearly and concisely, providing steps to reproduce the issue
- After developers address the bugs, testers must retest to ensure the fixes are effective and haven't introduced new issue
- Collaborated with the development team to prioritize bug fixes and feature requests.
- Often work closely with developers and other teams to provide feedback and suggestions to improve game quality
- Provide valuable feedback on gameplay, graphics, and other aspects of the game, contributing to the overall player experience
- Keeping abreast of industry trends and new technologies is important to understand how they might impact the game's development and testing

Testing Methodologies

- Functional Testing: Verified that all VPN functionalities met the specified requirements.
- Regression Testing: Ensured new updates did not adversely affect existing features.
- Performance Testing: Assessed the app's speed and stability across different network conditions.
- Security Testing: Conducted vulnerability assessments to safeguard user data.

Tools & Technologies

- Manual Testing Tools Frameworks: Excel
- Automation Frameworks: Appium
- Bug Tracking: Redmine
- Performance Tools: JMeter and Postman

Total 50+ Devices

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=====
=      Xiaomi                      =
=      Samsung S22                 =
=      iPhone X                    =
=      Mac M1 / M2                 =
=      Windows 11(3 devices)       =
More....
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Achievements

- A significant achievement for game testers is the number of bugs they've identified and reported, which can directly impact the game's quality. For instance, "Identified and reported 300+ bugs in pre-release game versions, leading to a 30% improvement in game stability" is a notable accomplishment..
- Automated 60% of the test cases, leading to a 50% reduction in manual testing hours.
- Work closely with development teams to resolve bugs. An achievement could be, "Coordinated with development teams to identify and resolve bugs in game code" or "Collaborated with game designers to develop and implement testing processes"
- Demonstrating the ability to test games on various platforms, such as console, PC, and mobile, is an important achievement that showcases versatility
- Implementing new testing processes or improving existing ones can be a significant achievement. For example, "Analyzed game logs to identify issues and suggest improvements" or "Developed and executed test plans and test cases" are valuable contributions to the testing process
- Gaining relevant educational qualifications, like a Bachelor of Science in Computer Science, can also be considered an achievement as it provides a strong foundation for a career in game testing.
- Length and quality of experience in the industry can be an achievement. For example, "Over 5 years of experience in the industry, skilled in creating detailed bug reports, understanding complicated game mechanics, and collaboration with the development team" is a testament to a tester's expertise and dedication

Client Feedback

"The meticulous testing process you implemented for the Mugdo Game App was pivotal in optimizing our app's performance and security. Your dedication to quality has significantly elevated our user experience." - **Abu Saleh, CTO at Mugdho Project**

"The thorough testing approach you executed for the Mugdho gaming app was instrumental in enhancing our app's performance and security. Your unwavering commitment to excellence has profoundly improved our user experience." - **Rezaul Bari, PM of Mugdho project.**

"The comprehensive quality assurance strategy you deployed on the Mugdho game app played a key role in refining our app's functionality and safeguarding user data. Your attention to detail and commitment to excellence have significantly raised the bar for our gaming standards." - **Maruf Hossain, Director of Business Development**

Visual Documentation

- Screenshot of Bug Report.

A1	B	C	D	E	F	G	H
31	Mgh 28		In the language game, hard level porbo 3, 1st stage missing, there was wrong voice is used				Fixed, used Audio No.12
32	Mgh 29		Many elements are take place in the wrong place in many stages, specially left corner side			Mgh 29 issue pic	Fixed
33	Mgh 30		Medium & hard-level voice color does not match according to the drive design.			Mgh 30 issue pic	Fixed
34	Mgh 31		Parents buttons are missing in all stages.			Mgh 31 issue pic	Fixed
35	Mgh 32		In expert porbo 1 & stage 1 the left side background UI is not match & the right side background Color			Mgh 32 issue pic	Fixed
36	Mgh 33		The level count button shapes do not match with design			Mgh 33 issue pic	Fixed
37	Mgh 34		In expert level porbo 2 stage 1 the size of naspoti is not matching to design. Looks small.			Mgh 34 issue pic	Fixed
38	Mgh 35		In hard level porbo 2 stages 3 there is no gap between the 3 elements & the banana element is touch			Mgh 35 issue pic	Fixed
39	Mgh 36		In hard level porbo 2 stage 4,5 normally the element are in the box, but the box is missing			Mgh 36 issue pic	Fixed
40	Mgh 37		In hard level porbo 3 stages 1, the voice instruction is totally wrong				Fixed, used Audio No.12
41	Mgh 38		In hard level porbo 3 stages 1,2 the right background is not match to the design			Mgh 38 issue pic	Fixed
42	Mgh 39		In hard level porbo 2 stage 2 when naspoti took place on hands the half of naspoti looks vanish			Mgh 39 issue pic	Fixed
43	Mgh 40		In hard level porbo 3 stage 4 the horse legs are looks like coming outside from the frame			Mgh 40 issue pic	Fixed
44	Mgh 41		In matching porbo 1 stage 1 same element is twice used, and an element is missing.			Mgh 41 issue img	Fixed
45	Mgh 42		According to UI The star & ground are separate. So make the gap between them.			Mgh 42 issue pic	Fixed
46	Mgh 43		The parents button is not working in any stage				will work once, parents UI will receive.
47	Mgh 44(ref mgh-4)		When we click the cross button there are should show an alert pop-up of yes or not			mgh 44 issue img	alert POP up UI needed.
48	Mgh 45(ref mgh 28,37)		In expert level porbo 3 stages 1, plz use 12 no audio to complete this			Use 12 no audio	Fixed, used Audio No.12
49	Mgh 46 (ref mgh31)		The parents button is added but the button is not working in any stages				waiting for Parents UI
50	Mgh 47(ref mgh32)		In expert porbo 1 & stage 1 the left side background UI is not match & the right side background Color			Mgh 47 (ref mgh 32) issue	Fixed
51	Mgh 48(ref mgh 35)		In hard level porbo 2 stages 3 the alignment of the elements is not right			Mgh 48 issue img	Fixed

- Bug Screenshot's Link for Developer:
 - https://drive.google.com/file/d/1VhtBXnq-hiYzJsdoEzeFA_OB_I7gNim/view
 - https://drive.google.com/file/d/1zoXvjG1P_FuSNVwj4V3Fc6O38czKjC6S/view
 - <https://drive.google.com/file/d/1tBtIm2l0oOhxrmZ7Ni2iO2jh0rPIIIZ4/view>
 - <https://drive.google.com/file/d/1SZwFvMPIEm6Fhi-oqLv5iBj55wdhoKmp/view>

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- https://drive.google.com/file/d/1A_-SMrFmgUyF08EpOsUgnXyVMZQkV5rL/view
 - https://drive.google.com/file/d/1-8grElU4rK_j9JhosV0McaI3EL5tjdnl/view
 - Github Project Portfolio Repo
 - <https://github.com/rumy4kolpolok/MuhdhoGamingAppforChildren-BugReport>