
<BilliardTech>

<RevUStG>
<Iteration/ Master> Test Plan

Version <1.0>

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<Iteration/ Master> Test Plan	Date: <dd/mmm/yy>
<document identifier>	

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>

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<Iteration/ Master> Test Plan

1. Introduction

1.1 Purpose

This document outlines the test strategy and plan for the RevUStg website.

- Objectives:
 - + Define testing strategy for a game account selling/renting website.
 - + Specify testing scope, levels, types, and resources.
 - + Ensure website functionality, quality, and user satisfaction.
- This document outlines the testing approach and strategy for a website that sells or rents game accounts. It covers the scope, test levels/types, environment, schedule, risks, and more.
- This document should be used by various stakeholders involved in the project, including testing and development teams, project managers, and business/product stakeholders.
- Key features:
 - + Testing strategy detailing levels and types.
 - + Scope and testing goals.
 - + Test environment setup.
 - + Schedule and milestones.
 - + Risk identification and mitigation.
 - + Defect reporting and management.
 - + Resource allocation details.

2. Target Test Items

Functionality Testing:

- Login as End User:
 - + Test different valid and invalid login scenarios.
 - + Verify successful login with correct credentials.
 - + Verify appropriate error messages for incorrect credentials.
 - + Test remember me and session expiration functionalities.
- Register as End User:
 - + Test successful registration with valid information.
 - + Verify required fields and validation messages.
 - + Check for proper handling of duplicate email addresses or usernames.
 - + Test password strength and confirmation.
- Payment with Phone Card:
 - + Test the payment process using a phone card.
 - + Verify successful payment completion.
 - + Test different card numbers, PINs, and denominations.
 - + Validate proper error messages for invalid card information.
- Payment with Bank Account:
 - + Test payment using bank account details.
 - + Verify successful transaction completion.
 - + Test different bank account numbers and routing information.
 - + Validate proper error handling for incorrect bank details.
- Purchase for Product in Cart:
 - + Test the purchase process for items in the cart.
 - + Verify proper calculation of total amount.
 - + Test successful order placement and confirmation.
 - + Test scenarios with different quantities of items.
- Search for Product:
 - + Test product search functionality.

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- + Verify search results for various keywords.
- + Test search with partial or complete product names.
- + Verify no results for non-existent products.
- Add to Cart:
 - + Test adding products to the cart.
 - + Verify the addition of products with different variations (sizes, colors, etc.).
 - + Test the cart's behavior with multiple products added.
 - + Check the cart's status after logging out and logging back in

3. Environmental Needs

3.1 Hardware Requirements

Requirement	Minimum Specifications
Processor	Core i3 or equivalent
Memory	1 GB minimum, 2 GB recommended
Disk Space	Optional
Display	1440 x 900 px, 1920x1080px recommended

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3.2 Software in the Test Environment

The following base software elements are required in the test environment for this *Test Plan*.

Software Name	Purpose	Version	Type and Other Notes
Vscode	IDE		Code editor
MySQL	Verify Database		Database
Windows 10, 64 bits	Verify compatibility	21H2	Operating System
Windows 11, 64 bits	Verify compatibility	21H2	Operating System

3.3 Productivity and Support Tools

The following tools will be employed to support the test process for this *Test Plan*.

Tool Category or Type	Tool Brand Name	Vendor or In-house	Version
Defect Tracking	MS Excel 2010	MS	2010

4. Responsibilities, Staffing, and Training Needs

4.1 People and Roles

This table shows the staffing assumptions for the test effort.

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Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	Lê Trần Hoàng Phúc	Provides management oversight. Responsibilities include: <ul style="list-style-type: none"> • planning and logistics • agree mission • identify motivators • acquire appropriate resources • present management reporting • advocate the interests of test • evaluate effectiveness of test effort
Tester	Võ Đăng Huy Phạm Phúc Lộc Lê Nguyễn Phương Nam Lê Trần Hoàng Phúc Mạc Lê Đức Minh	Implements and executes the tests. Responsibilities include: <ul style="list-style-type: none"> • implement tests and test suites • execute test suites • log results • analyze and recover from test failures • document incidents
Test System Administrator	Mạc Lê Đức Minh	Ensures test environment and assets are managed and maintained. Responsibilities include: <ul style="list-style-type: none"> • administer test management system • install and support access to, and recovery of, test environment configurations and test labs