
ALT+F4

**Read & Relay
Iteration Test Plan**

Version 1.0

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Revision History

Date	Version	Description	Author
19/12/2023	1.0	First version of the Iteration Test Plan	Nguyễn Quỳnh Hương, Nguyễn Ngọc Vũ, Đình Công Huy Hoàng, Lê Mỹ Khánh Quỳnh

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Master Test Plan

1. Introduction

The purpose of the Iteration Test Plan for the first iteration of the Read & Relay online book-selling and book-buying platform is to:

- Provide a central artifact to govern the planning and control of the test effort. It defines the general approach that will be employed to test the software and to evaluate the results of that testing, and is the top-level plan that will be used by managers to govern and direct the detailed testing work.
- Provide visibility to stakeholders in the testing effort that adequate consideration has been given to various aspects of governing the testing effort, and where appropriate to have those stakeholders approve the plan.

The content of this test plan lists out the target test items, environmental and staffing needs for Read & Relay's testing phase.

2. Target Test Items

The target test items for Read & Relay include:

- **User interface (UI):** Every element on the screen should behave as expected. The UI should be accessible on multiple screen sizes and clutter-free, while allowing for user-friendly, seamless interaction.
- **Performance:** The platform should load large amounts of data within a reasonable amount of time.
- **System features:** The platform's functional components, such as the login/registration form, the billing form, and the sale posting form should operate as expected.
- **Database:** The database should be able to perform CRUD operations and retain data integrity.

3. Environmental Needs

3.1 Hardware Requirements

As Read & Relay is entirely web-based, the minimum hardware requirements shall line up with those of the Internet browsers chosen for deployment. Specifically:

- a Windows system with Windows 10 or later, or Windows Server 2016 or later
- a Mac with macOS Catalina 10.15 or later

will be able to support the latest version of these browsers, and should support the platform optimally.

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
Google Chrome	Platform deployment and operation	Latest version (120.0.6099.109 for Mac, 120.0.6099.110 for Windows)	Internet browser
Microsoft Edge	Platform deployment and operation	Latest version (120.0.2210.77)	Internet browser

3.3 Productivity and Support Tools

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

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Tool Category or Type	Tool Brand Name	Vendor	Version
Defect Tracking	Microsoft Excel (Microsoft 365)	Microsoft	2311

4. Responsibilities, Staffing, and Training Needs

4.1 People and Roles

This table shows the staffing assumptions for the test effort.

Human Resources		
Role	Minimum Resources Recommended (number of full-time roles allocated)	Specific Responsibilities or Comments
Test Manager	Nguyễn Ngọc Vũ	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	Nguyễn Quỳnh Hương Nguyễn Ngọc Vũ Đinh Công Huy Hoàng Lê Mỹ Khánh Quỳnh	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	Nguyễn Quỳnh Hương	Ensures the 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