Digital Newspaper Website <Iteration/ Master> Test Plan

Version 1.1

Revision History

Date	Version	Description	Author
19/08/2025	1.0	Complete the Section 1: Introduction Complete Section 2: Target Test Item	Lê Thị Minh Thư
20/08/2025	1.1	Complete Section 3: Environment Needs Complete Section 4: Responsibilities, Staffing, and Training Needs	Lê Đình Minh Quân

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<Iteration/ Master> Test Plan

1. Introduction

1.1 Purpose

The objective of this document is to define the overall testing approach for the Mate Project, ensuring that planned features are validated and the product meets its quality goals.

It provides a high-level overview of the test scope, approach, resources, and responsibilities to ensure that testing activities are planned, executed, and tracked consistently.

This document is available to all Developers and Testers, the Project Manager and any Stakeholders who want to confirm the testing progress.

Key features of this document include:

- A clear definition of testing objectives and scope.
- Description of test approach, responsibilities, and required resources.
- Criteria for test execution, tracking, and defect reporting.
- A common reference to ensure transparency and alignment across all project members

2. Target Test Items

ID	Feature Name	Description	Areas to test	Remark
UC11	Search Articles	Function allows users to search the articles by keywords, authors, tags or categories. It also allows users to combine multiple attributes for searching (e.g.Searching by keyword, tag and author, or searching by all attributes)	Functionality Usability	
UC03	Read Article	Function for User to select and view an article on the website. The system displays the article`s content, including title, body text, author, publishing date, image (video), related tags. Users can see the number of likes and comments, and also view detailed comments. If the user is logged in, they can like, comment, and save articles.	Functionality Usability	
UC12	Filter Articles	Function allows the user to filter the list of available articles based on selected criteria such as category, tag, author, publication date, or keyword. It enhances user experience by narrowing down content to match interests or search queries.	Functionality Usability	

UC19	Create Article	Function for Writer to create and submit an article for publication on the Digital Newspaper Website. The Writer uses the content management system (CMS) to input article details, including title, content, and media, and submits the article for editorial review.	Functionality Usability	
UC10	View Statistics	Function for Editor, Admin, or Writer to view analytics and statistics related to article performance, user engagement, or platform activity.	Functionality Usability	

3. Environmental Needs

3.1 Hardware Requirements

Device Type	Internet Connection
Desktop/Laptop	Yes

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
Firefox/Microsoft Edge/Google Chrome	The main tool for accessing web-based applications and Mates	139.0.7258.66	Internet Browser
Windows 10/11, 32bit	Base environment for browser		Operating System
Ubuntu	Base environment for browser	24.04.2 LTS	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	Google Sheet	Google	Web-base (Always up-to-date)
Defect Tracking	Visual Studio Code	MS	1.101.0

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	Tran Huu Khang	Provides management oversight. Responsibilities include: ● planning and logistics ● agree mission ● identify motivators ● acquire appropriate resources ● present management reporting ● advocate the interests of test ● evaluate effectiveness of test effort
Tester	Le Thi Minh Thu Thach Ngoc Han Tran Huu Khang Le Dinh Minh Quan Nguyen Tan Loc	Implements and executes the tests. Responsibilities include: ● implement tests and test suites ● execute test suites ● log results ● analyze and recover from test failures ● document incidents
Test System Administrator	Thach Ngoc Han	Ensures the test environment and assets are managed and maintained. Responsibilities include: ● administer test management system ● install and support access to, and recovery of, test environment configurations and test labs