**Software Test Documentation (STD)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Project Title: Article-Publishing Website

Document Version Number: 1.0

Department: [Software Engineering]

University: [Amman Arab University]

*opada*

**Revisions Page**

Revision History:

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Description of Changes | Author |
| 1.0 | 24/08/2023 | Initial version of the document | opada |

**Overview**: outlines the testing approach and procedures for the Article-Publishing Website project. It includes test cases for various functionalities and the tools/environment used for testing.

**Target Audience**: This document is intended for project stakeholders, including project managers, developers, QA testers, and anyone involved in the testing phase of the project.

**Table of Contents**

Cover Page ..........................................................................................................................................1

Revisions Page ....................................................................................................................................2

Overview..............................................................................................................................................2

Target Audience...................................................................................................................................2

1. INTRODUCTION .............................................................................................................................4

1.1 Project Overview.......................................................................................................................4

1.2 Test Approach............................................................................................................................4

2. TEST PLAN.......................................................................................................................................4

2.1 Features to be Tested ..............................................................................................................4

2.1 Features not to be Tested........................................................................................................4

2.2 Testing Tools and Environment ..............................................................................................4

3 TEST CASES.......................................................................................................................................5

3.1 Case-1: User Registration......................................................................................................5

3.2 Case-2: Article Submission....................................................................................................5

3.3 Case-3: Commenting System................................................................................................6

1 INTRODUCTION

1.1 System Overview

The software being tested is the Article-Publishing Website, designed to allow users to browse, submit, and interact with articles on various topics. This document outlines the testing approach and procedures.

1.2 Test Approach

The testing approach follows a comprehensive method, including unit testing, integration testing, system testing, and user acceptance testing. Automated testing tools and manual testing will be utilized.

2 TEST PLAN

2.1 Features to be Tested

- User registration and login

- Article submission and management

- Commenting system

- Category filtering

- User profile management

2.2 Features not to be Tested

- Third-party APIs or external services not under our control

- Browser-specific behaviors (compatibility is covered separately)

2.3 Testing Tools and Environment

- Automated Testing Tools: Selenium for UI testing, JUnit for Java-based components.

- Manual Testing: Web browsers (Chrome, Firefox, etc.), Postman for API testing.

- Test Environment: Windows and macOS operating systems, multiple browsers.

3 TEST CASES

3.1 Case-1: User Registration

3.1.1 Purpose: To verify that users can successfully create accounts on the website.

3.1.2 Inputs: User's email, username, password.

3.1.3 Expected Outputs & Pass/Fail criteria: User is redirected to the homepage after successful registration. Fail if user encounters errors or isn't redirected.

3.1.4 Test Procedure:

1 Navigate to the registration page.

2 Fill in valid user information.

3 Click the "Register" button.

4 Verify successful redirection and user account creation.

3.2 Case-2: Article Submission

3.2.1 Purpose: To confirm that experts can submit articles for publishing.

3.2.2 Inputs: Article content, title, category.

3.2.3 Expected Outputs & Pass/Fail criteria: Article is pending approval by an admin. Fail if errors occur during submission.

3.2.4 Test Procedure:

1 Log in as an expert.

2 Navigate to the article submission page.

3 Fill in article details.

4 Click the "Submit" button.

5 Verify successful submission and pending status.

3.3 Case-3: Commenting System

3.3.1 Purpose: To ensure that users can leave comments on articles.

3.3.2 Inputs: Comment text.

3.3.3 Expected Outputs & Pass/Fail criteria: Comment is posted successfully. Fail if comment fails to post or errors occur.

3.3.4 Test Procedure:

1. Log in as a registered user.

2. Navigate to an article page.

3. Enter a comment in the provided field.

4. Click the "Post Comment" button.

5. Verify that the comment appears below the article.