TEST PLAN

Online Registration Form

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Version History

Version	Revised By	Summary	Approval	Date

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INTRODUCTION

The customer wants a simple online registration form, which passed the full cycle of manual testing. Given the specificity of the site, it is very important to have the same quality as the site. The Test Plan has been created to facilitate communication among the team members. This document describes approaches and methodologies that will apply to the unit, integration, and system testing of the Online Registration Form. It includes the objectives, scope, test Environment, Test Data, Test Scenarios, Test ExecutionSchedule, Risk And Assumptions. This document has identified what the test deliverables will be, and what is deemed in and out of scope

TEST OBJECTIVES

2.1Primary Objectives

A primary objective of testing is to: assure that the system meets the full requirements, including quality requirements (functional and non-functional requirements) and fit metrics for each quality requirement that satisfies the use case scenarios and maintains the quality of the product. At the end of the project development cycle, the user should find that the project has met or exceeded all of their expectations as detailed in the requirements. Any changes, additions, or deletions to the requirements document, Functional Specification, or Design Specification will be documented and tested at the highest level of quality allowed within the remaining time of the project and within the ability of the test team.

2.2 Secondary Objectives

The secondary objectives of testing will be to: identify and expose all issues and associated risks, communicate all known issues to the project team, and ensure that all issues are addressed in an appropriate manner before release. As an objective, this requires careful and methodical testing of the application to first ensure all areas of the system are scrutinized and, consequently, all issues (bugs) found are dealt with appropriately.

SCOPE

All the features of the Online Registration Form which were defined Software Requirement Specification Document are needed to be bested. The form should validate inputs, display appropriate error messages, and successfully submit the data to the server upon correct completion.

The registration form collects the following information from users:

- Full Name
- Email Address
- Password (at least 8 characters)
- Confirm Password
- Date of Birth
- Gender (Male/Female/Other)
- Newsletter Subscription (Yes/No)
- Submit Button

TEST STRATEGY

The overall strategy of this testing initiative is manual, black box testing. We are testing the data, interface part and implemented system in detail. The testing at the SAP end of the interface will be covered by the SAP functional testing. Follow the testing phases and techniques mentioned inside "Detailed Test Approach".

All type of testing is covered in this document. Some of the test specifications use test data which needs to be set-up in the test environment prior to executing the test cases.

For each level of testing, a separate test plan is prepared with the following set of deliverables:

- Test Cases/Test Scenarios
- Features to be tested.
- Items to be tested.
- Pass / Fail criteria.
- Bugs cycle.
- Automation.
- Expected Results.
- Actual Results.

ENVIRONMENT

Browsers for Windows, Mac OS, Linux Ubuntu :
- Edge, Chrome (latest), Firefox (latest), Safari (latest)

Mobile Devices:
- iPhone 13 / 14, iPad 5, Nokia Lumia 910, Google Nexus 7, LG G3.

Responsiveness:
- Screen resolutions for responsive testing (e.g., 1920x1080, 1366x768, 375x667)

Creating Test Data

Test data will be created by respective QA on the client's developments/test site based on scenarios and Test cases. The Test Data will contain the values as per the statements below :
- Valid test data for each field (e.g., valid email addresses, passwords, dates of birth).
- Invalid test data to provoke error messages (e.g., invalid email formats, short passwords).

Executing Test Cases

Test cases will be executed by respective QA on the client's development/test site based on designed scenarios, test cases, and Test data. Test result (Actual Result, Pass/Fail) will updated in the test case document Defect Logging and Reporting: QA will be logging the defect/bugs in a Word document, found during execution of test cases. After this, QA will inform respective developer about the defect/bugs

TEST SCENARIOS

1. **Field Validation:**
   - Full Name: Validate minimum and maximum character limits.
   - Email Address: Validate the correct email format.
   - Password: Ensure password complexity (e.g., minimum length, special characters).
   - Confirm Password: Match with the entered password.
   - Date of Birth: Ensure valid date format and age restrictions.
   - Gender: Verify the selection of one option.
   - Newsletter Subscription: Verify selection of Yes/No.
2. **Error Handling:**
   - Submit the form with all fields empty.
   - Submit the form with each field containing invalid data.
   - Submit form with mismatched passwords.
   - Submit form with invalid email format.
3. **Submission and Confirmation:**
   - Submit the form with all valid data.
   - Verify successful submission message.
   - Check data integrity on the server (if possible).
4. **User Experience:**
   - Test form layout and design consistency.
   - Verify usability on different devices and screen sizes.
   - Ensure clear error messages and user guidance.

TEST Execution Schedule

Task Name	Start	Finish	Efforts	Comments
Test Planning	12.7	14.7		Support!
Review Requirements documents	12.7	14.7		
Create test basis	14.7	14.7		
Staff and train new test resources	-	-		
First deploy to QA test environment				
Functional testing – Iteration 1				
Iteration 2 deploy to QA test environment				
Functional testing – Iteration 2				
System testing				
Regression testing				

UAT				
Resolution of final defects and final build testing				
Deploy to Staging environment				
Performance testing				
Release to Production				

Risks and Assumptions

Risks:

- o Server connectivity issues may affect form submission testing.
- o Compatibility issues with older browser versions.
- o Data security concerns with handling user information.

Assumptions:

- o The backend server is operational and can handle form submissions.
- o Users have basic internet connectivity for form submission.

TOOLS AND DEFECT TRACKING

Jira will be used for defect reporting and issue bugs/defects management and traceability.

FINAL TEST REPORT

Test closure reports shall be generated for each testing phase as the testing phase gets completed.

EXIT CRITERIA

All the test cases and test scenarios must be passed. Every user must get the music recommendation as per their interests.

APPROVAL

	Project Manager	QA Lead
Name		
Signature		