

TEST PLAN FOR

www.iuliustown.ro

ChangeLog

Version	Change Date	By
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1 Introduction

Brief introduction of the test strategies, process, workflow and methodologies used for the project

This document describes the plan for testing the functional utility of the <https://iuliustown.ro/> website.

This Test Plan document supports the following objectives:

- Identify existing project information and the website that should be tested.
- List the recommended test requirements.
- Recommend and describe the testing strategies to be employed.
- Identify the required resources and provide an estimate of the test efforts.
- List the deliverable elements of the test activities.

The test methodology selected for the project is **Agile**.

Well executed Agile methodology helps teams significantly improve the quality of the software at each release.

1.1 Scope

1.1.1 In Scope

Scope defines the features, functional or non-functional requirements of the software that **will be** tested.

The purpose is to test feasibility and performance of the selected architecture. It is critical that all system and subsystem interfaces be tested as well as system performance at this early stage. Testing of system functionality and features will not be conducted on the prototype.

The software will be tested both functionally and non-functionally.

We will begin with the Homepage functionality. We will search if this page, the Homepage is error free and it has no lags or errors when is navigated.

Also, we will test if the Homepage and other pages work well both in Romanian and English language.

Other pages that will be tested functionally: Iulius Town, Opening Hours, Maps, Stores, Dining, Entertainment, Events, Promotions.

We will test if Facebook, Twitter, Instagram & YouTube buttons are working and lead the visitor to the specific pages.

GDPR page, Careers page, Contact page, Parking page and Newsletter box will also be tested.

The interfaces will be tested through the following devices:

- Local PCs;
- Mobile device.

The website shall be MacOS compliant.

The website shall run in Chrome Version 108.0.5359.124 browser.

1.1.2 Out of Scope

Out of Scope defines the features, functional or non-functional requirements of the software that **will NOT be** tested.

It will not be tested Iulius Mall page, Iulius Gardens page, Iulius Congress Hall page, United Business Center page and their functionality with other pages. Search bar will also not be tested.

1.2 Quality Objectives

- Ensure the Application Under Test conforms to functional and nonfunctional requirements.
- Bugs/issues are identified and fixed.
- Ensure proper application navigation, processing and retrieval.
- Navigation through the application properly reflects business functions and requirements.
- Validate and verify that the Application function properly.

1.3 Roles and Responsibilities

Human Resources		
Role	Number of workers allocated full-time	Responsibilities/Comments
Test Manager	1	<p>Provides management oversight</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> • Provide technical direction • Acquire appropriate resources • Management reporting
Test Designer	1	<p>Identifies, prioritizes, and implements test cases</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> • Generate test plan • Generate Test Suite • Evaluate effectiveness of test effort
System Tester	1	<p>Executes the tests</p> <p>Responsibilities:</p> <ul style="list-style-type: none"> • Execute tests • Log results • Recover from errors • Document defects
QA Analyst	1	Conduct testing to identify and resolve bugs, defects, and other potential issues
Developer	1	Design, program, build, deploy and maintain software using many different skills and tools

System Administrator	1	Ensures test data environment and assets are managed and maintained. Responsibilities: <ul style="list-style-type: none">• Administer test system
Installation Team	2	Responsible for correct installation and test run of the system

2 Test Methodology

2.1 Overview

The test methodology selected for the project is **Agile**.

Well executed Agile methodology helps teams significantly improve the quality of the software at each release.

Not only that, it allows the team to adapt to change quickly. The Agile process consists of short, time-boxed iterations known as sprints. Each sprint results in a working product.

2.2 Test Levels

Test Levels define the Types of Testing to be executed on the Application Under Test (AUT).

The Testing Levels primarily depends on the scope of the project, time and budget constraints.

The Test Levels presents the recommended approach to the testing of the software application. The previous section on In Scope described what will be tested; this describes how it will be tested.

2.2.1 Functional Testing

Testing of the application will focus on any target requirements that can be traced directly to business functions and business rules. The goals of these tests are to verify proper functionality, processing, and retrieval, and the appropriate implementation of the business rules.

Test objective: Ensure proper application navigation, processing and retrieval.

2.2.2 User Interface Testing

User Interface testing verifies a user's interaction with the software.

The goal of UI Testing is to ensure that the User Interface provides the user with the appropriate access and navigation through the functions of the applications.

Test objective: Verify the following:

- Navigation through the application properly reflects business functions and requirements,
- Window objects and characteristics, such as menus, size, position conform to standards.

2.2.3 Performance Testing

Performance testing measures response times, transaction rates, and other time sensitive requirements. The goal of Performance testing is to verify and validate the performance requirements have been achieved. Performance testing is usually executed several times.

Test objective: Validate System Response time for specific pages.

2.2.4 Configuration Testing

Configuration testing verifies operation of the software on different software and hardware configurations. In most production environments, the particular hardware specifications for the client workstations and network connections vary. Client workstations may have different software loaded and at any one time many different combinations may be active and using different resources.

Test objective: Validate and verify that the Application function properly on different workstations.

2.3 Bug Triage

The goal of the triage is to

- To define the type of resolution for each bug
- To prioritize bugs and determine a schedule for all “To Be Fixed Bugs”.

3 Test Deliverables

Deliverable	Owner
Test Plan	Liliana Florentina Calancea
Test Cases	Liliana Florentina Calancea
Test Suite	Liliana Florentina Calancea
Test Environment	Ana-Maria Ionescu
Requirement Traceability Matrix	Corina Maxim
Test Completion Report	Corina Maxim

Bug Reports	Georgiana Redenstein
Test Strategy	Georgiana Redenstein
Test Metrics	Liliana Florentina Calancea

4 Resource & Environment Needs

4.1 Testing Tools

Activity	Tool
Requirements Tracking	JIRA
Bug Tracking	JIRA
Test Cases development	TestCaseLab
Test Cases execution	TestCaseLab
Project Management	Office Suite

4.2 Test Environment

It mentions the minimum **hardware** requirements that will be used to test the Application.

Following **software** is required in addition to client-specific software.

- MacOS Mojave Version 10.14.6 or above;
- Chrome Version 108.0.5359.124 browser;
- Office 2013 and above;
- IOS 15.3.1.

5 Terms/Acronyms

Make a mention of any terms or acronyms used in the project

TERM/ACRONYM	DEFINITION
API	Application Program Interface

AUT	Application Under Test
UI	User Interface