Test Plan

SERVEREST

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General information	
Customer	ServeRest
Create by	Aracelli Novaes da Palma
Version	1.0
Status	Completed

Summary

Introduction

General Information

This document describes the methods and procedures that will be used by the QA in the functional testing process of the web application ServeRest. It includes the objectives, test responsibilities, entry and exit criteria, scope and approach.

Purpose

- Identify existing project information and software components to be tested.
- Recommendation and description of the testing strategies to be employed.
- Identify required resources.
- List the test project deliverable elements.

Scope of project

Scope of Admin Part

The Admin part testing includes the follow functionalities:

1. Login;
2. Validate HomePage;
3. Create user;
4. List user;
5. Create products;
6. List products.

Scope of Customer part

The Customer part testing includes the following functionalities:

1. Login;
2. Validate HomePage;
3. Create user;
4. List user;
5. Create products;
6. List products.

Scope of API testing

The API testing includes the following functionalities:

1. Login;
2. Create user;
3. List user;
4. Create products;
5. List products.

Test Plan and Strategy

Test procedure

The main testing types that should be executed:

- Exploratory Testing;
- Functional Testing;
- API Testing.

Exploratory testing

- **Purpose**: Identify system functionalities and major defects.
- **Scope**:
    - Admin routine: Create profile, login, add users, list users, add products, list products, logout.
    - Customer routine: Create profile, login, access product page, add product to shop list, logout.
- **Method:** Manual Testing.

Functional testing

- **Purpose**: Test main system funtionalities.
- **Scope**:
    - Admin routine:

Functionality	Test Scenarios
Login	Valid login
	Invalid login
Home Page	Visual validation
Create Users	Required form fields
	Add new user
	Create new user
Create Products	Required form fields
	Create new product
Logout	Logout system.

- Customer routine:

Functionality	Test Scenarios
Login	Valid login
Home Page	Visual validation
	Search products
Product Page	Data validation
	Add product to shop list
Shop List	Empty list
	Product in list
	Edit product in list
Logout	Logout system.

- **Method:** Automated Testing.

API testing

- **Purpose**: Ensure that the API endpoints work as expected, providing the correct outputs for given inputs.
- **Scope**: Create profile, login, add users, list users, add products, list products.
- **Method:** API Testing.

Bugs report

All bugs found during testing must be logged in the task management platform and categorized according to their severity. The categories are:

Severity	Impact
Critical	Critical enough to crash the system, cause file corruption, or cause potential data loss.
High	It causes a lack of vital program functionality with workaround.
Medium	It degrades the quality of the System, but there is na intelligent workaround for achieving the desired functionality
Low	Insufficient or unclear error message, which has minimum impact on product use.
Cosmetic	Logout system.

Resources

Tools

The following tools were used for this project:

Process	Tool
Tasks Management	Jira
Test Automation	Cypress
API Testing	Postman
Defect Tracking	Jira

Browsers

Browser	Version
Chrome	Latest

Testing Process Risks

The next issues may influence testing works:

- Changes and modifications of the software product that were not planned and discussed with the test team beforehand;
- Changes in the software requirements that were not discussed with the test team beforehand.

Deliverables

- Test Plan;
- Automated Test;
- Bugs report.