**Project Name: PAZ**

Project: Secure Web App:

Team Component

Testing Template

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# Introduction

Brief introduction of the test strategies, process, workflow and methodologies used for the project are as follows:

#### Acceptance testing

Will be performed either by PAZ team members with the goal to ensure that the application solves the customer’s need.

* Functionality
* Usability
* Security
* Compatibility
* Performance

#### Functional testing

Functional testing will compares the “Quick And Easy Recipes” Website application to its functional specifications to ensure that the application does what it is supposed to do. functional testing would ensure that all of the Header and Footer links work appropriately as well as all other links of the Web App.

Also all the User Registration and User Logins work correctly. This covers Functionality, Usability, and Security. Performance will be tested by how quick the Web App responds to the users request. And Compatibility will entail that the Web App is compatible to users and staff needs.

## Scope

### In Scope

Scope defines the features, functional or non-functional requirements of the software that **will be** tested for the “Quick And Easy Recipes App”

#### Non-functional testing

Non-functional testing will test how well the “Quick And Easy Recipe” Web App system works rather than its specific functions.

* In Non-functional testing we will consider elements such as usability, responsiveness, and Scalability.

This type of testing will help the team to answers questions such as:

* How easy is it for users to navigate app?”
* Testing the GUI for usability.

### **Out of Scope**

Out Of Scope defines the features, functional or non-functional requirements of the software that **will NOT be** tested for the “Quick And Easy Recipes” Web App such as:

* “Does this app look right on screens of different sizes?”

## Quality Objective

**The overall objective of the team we plan to achieve without testing:**

* “To create a fully functional Secure Web App, that meets all the need of the users and staff members that will be using the Web Application. That has various permissions that allow different users access to different parts of the website for example”: “Admin staff and Super User staff would have access to all parts of the website to Add,Edit, and Delete from all database files.”
* Ensure the Application Under Test conforms to functional and non-functional requirements.
* Bugs/issues are identified and fixed before go live.

## Roles and Responsibilities

Detail description of the Roles and responsibilities of different team members like

* QA Analyst Peter Seatter
* Test Manager Peter Seatter
* Configuration Manager Antony Jones
* Developers Peter, Antony, Zaine
* Installation Team Peter, Antony, Zaine

Amongst others

### Drew White

# Test Methodology

## Overview

* Iterative Approach via steps set out throughout the process. In this process the project is divided into small parts, and each part is subjected to multiple iterations of the waterfall model. At the end of an iteration, a new module is developed or an existing module is enhanced. This module is integrated into the software architecture and the entire system is tested all together.

Source: <https://www.guru99.com/testing-methodology.html#3>

## 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 team used:

* **Bottom Up Integration Testing:** In bottom-up Integration Testing, module at the lowest level are developed first and other modules which go towards the 'main' program are integrated and tested one at a time. It is usually performed by the testing teams.

## 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’.

## Suspension Criteria and Resumption Requirements

Our team would suspend all or part of the testing procedure while Resumption criteria determine when testing can resume after it has been suspended

## Test Completeness

The team will complete the following to check Test Completeness

* 100% test coverage
* All Manual & Automated Test cases executed
* All open bugs to be fixed or will be fixed in next release

# Test Deliverables

Below are the Test Artifacts/Bugs that were encountered during the different phases of the testing life-cycle.

Test Cases and Bugs That Were Fixed (AUT):

|  |
| --- |
| * Test Cases   “Test case one: Test URLs“   * Bug Reports   “Test case one Bug: path ('project\_detail/', views.project\_details),  AttributeError: module 'home.views' has no attribute 'project\_details'   * Test fix Strategy   “Test case one Bug: Checked all URLs to see were the bug is located. Found on line 40 QuickAndEasyRecipes/urls. Spelling error in URL code.”   * Team member Sign Off (Antony Jones) |

## Test Environment

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

Following **software’s** are required in addition to client-specific software.

1. Windows 10 and above
2. Office 2013 and above
3. MS Exchange
4. SQLlite3 database
5. GitHub
6. Atom Text Editor

# Terms/Acronyms

Acronyms used in the project

| TERM/ACRONYM | DEFINITION |
| --- | --- |
| API | Application Program Interface |
| AUT | Application Under Test |

|  |  |  |  |
| --- | --- | --- | --- |
| Testing | Expected outcome | Actual Outcome | Bugs |
| Logging in as Administrator and accessing pages | Able to view each page as admin along with removing and adding pages. | Able to do what expected outcome was. | None |
| Logging into the Admin panel as Administrator | Loggin in and then accessing the backend of the website | It performed as expected | None |
| Logging into the Admin panel as SupUser | Loggin in and then accessing the backend of the website | It performed as expected | None |
| Logging in as SupUser and accessing pages | Able to view each page as admin along with removing and adding pages. | It performed as expected | None |
| Adding & Removing a Category as SupUser | Adding the recipe and then removing it | Was able to add and Remove a recipe | None |
| Logging in as DreWhite | Able to log in as DreWhite | Logged on correctly | None |
| Logging in as PetSeatter | Able to log in as PetSeatter | Logged on correctly | None |
| Logging in as AntJones | Able to log in as AntJones | Logged on correctly | None |
| Logging in as ZanWoolf | Able to log in as ZanWoolf | Logged on correctly | None |
| Adding Category as PetSeatter | Able to add a new Category | I wasn’t able to add anything to the Category | Couldn’t add anything to the Category |
| Accessing all pages as PetSeatter | Able to access all the pages for the user | Able to access all the pages | None |
| Adding Category as AntJones | Able to add a new Category | I wasn’t able to add anything to the Category | Couldn’t add anything to the Category |
| Adding Category as DreWhite | Able to add a new Category | Was able to add to the Category | None |
| Accessing the pages as ZanWoolf | Accessing all the pages | All the pages were able to be accessed | None |
| Register request for a new user | Able to register a new user | Sent the request through | None |
| Able to login as new user | Able to login and view the pages as newly created user | Was able to login as new user | None |