Test Plan - Citizen Services Portal

# 1. Introduction

The purpose of this Test Plan is to define the testing approach, scope, objectives, resources, and schedule for validating the applications. The portal provides basic services to citizens such as login,Application submissions and check the status of submissions.

# 2. Scope

In Scope:  
- Functional testing of Login, Application Submission,Status  
- Validation of error messages and field validations  
- SQL query validation for Users and status  
  
Out of Scope:  
- Payments  
- Notifications

# 3. Objectives

- Ensure all functional and non-functional requirements are validated.  
- Detect and log defects with clear reproducible steps  
- Deliver a quality-assured solution to stakeholders.

# 4. Test Strategy

-Manual functional and regression testing using Black-box techniques.  
- Boundary Value Analysis and negative testing.  
- API Testing using Postman  
- Database validation using SQL quries.  
- Automation of critical flows(login,form submission) with selenium.

# 5. Test Environment

Testing will be performed on:  
- Browser: Chrome, Firefox  
- OS: Windows 10  
- Database: MySQL  
- Tools(Jira,TestRail,Postman,Selenium)

# 6. Deliverables

- Test Plan Document  
- Test Cases (Excel)  
- Bug Reports  
- SQL Scripts  
- Test Summary Report

# 7. Roles & Responsibilities

- Tester  
- Developer  
- Test Lead

# 8. Entry and Exit Criteria

Entry Criteria:  
- Application build deployed to test environment  
- Test cases prepared and reviewed  
  
Exit Criteria:  
- All planned test cases executed  
- No critical or high severity defects remain open  
- Test summary report prepared  
- All defects of medium/low severity have workarounds documented

# Risks & Mitigation

-The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

-Risk: Build URL is not working

Mitigation: Resources will work on other tasks

# Schedule

|  |  |
| --- | --- |
| **Task** | **Dates** |
| ▪ Creating Test Plan | 20 Sep - 21 Sep |
| ▪ Test Case Creation | 22 Sep - 23 Sep |
| ▪ Test Case Execution | 24 Sep --25 Sep |
| ▪ Summary Reports Submission Date | 27 Sep |