



TSE3251 - SOFTWARE VERIFICATION & VALIDATION

TEST PLAN REPORT

NEIGHBOURHOOD WATCH SYSTEM

24th November 2020

Version 1.0

Prepared by:
Group i-Dea

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Introduction

This test plan is made for the “Neighbourhood Watch” system. In this test plan, there will be test items, approach, pass/fail criteria of an item, suspend/resume criteria, test environments, responsibilities, schedule, and approval.

Approach

- Functional testing
 - Unit testing
- Non-Functional testing
 - Performance Testing
 - Load Testing
 - Usability Testing

Item Pass/ Fail Criteria

- 90% Test Case should be passed
- 100% severity clear

Suspend/ Resume Criteria

- Requirements Changing
- High Priority

Test Environments

- Browser: Chrome
- Hardware: Windows 10
- Internet Setup
- MySQL Version 1.8.0 Installation
- xampp version

Testing Tools

Listed below are some of the tools that will be used throughout the duration of the testing phase.

Tools	Version	Description
Apache JMeter	5.2.1	Apache JMeter to conduct load and performance testing.
Chrome Developer Tools	-	Provide Statistics such as Network,Memory and Performance on Websites.

Test Assignment

The table below states the delegated tasks corresponding to the assigned team member.

Role	Delegated Task	Team Member
Project Manager	Document Control/ Functional Testing	Mohamad Amirul Ariff Bin Mohamad Yusof
Document Manager	Document Control/ Non-Functional Testing	Siti Kuni Taibah Binti Imam Syafii
Test Lead Manager	Document Control / Functional Testing	Muhamad Syahmi Bin Sabudini
Test Designer	Document Control/ Non- Functional Testing	Wan Nurul Azlin Binti Wan Nordin

Schedule

Test Activity	Duration	Days
Test Plan Document	24th November - 10th January	48
Test Case Execution	10th January until 24th January 2021	21
Defect Reporting	24th January - 30th January	7

The minimum requirements to be tested

Tenant/Resident

- 1.1 join neighborhood
- 1.2 Create event
- 1.3 edit/update their account details through the account management.
- 1.4 book facilities
- 1.5 postfeedback

Management/Admin

- 2.1 manage event(approve/reject event)
- 2.2 manage facilities
- 2.3 manage resident list (approve/reject resident)
- 2.4 manage feedback