Miracle Property Management System - Tester Documentation

# 1. Introduction

This document outlines the key areas for testing, methods to follow, and the features that must be validated to ensure the system functions correctly.

# 2. Tester Responsibilities

- Ensure all features work as intended across various use cases.  
- Report any bugs or inconsistencies.  
- Validate data flow between components.  
- Test for edge cases (e.g., invalid inputs, empty entries).  
- Collaborate with the developers to resolve bugs.

# 3. Features to Test :

1. Login System (Admin)  
2. Add Property  
3. View All Properties  
4. Add Tenant  
5. View All Tenants  
6. Assign Tenant to Property  
7. Vacate Property  
8. Console Menu Navigation

# 4. Testing Methods Idea:

- Manual Testing: Execute all menu options and record results.  
- Input Validation Testing: Enter incorrect or boundary inputs (e.g., negative numbers, blank fields).  
- Integration Testing: Ensure smooth interaction between frontend console and backend logic.  
- Data Integrity Testing: Validate that data added or modified is correctly reflected in the database.

# 5. MSTest Unit Testing Idea:

For automated unit testing, use MSTest to create test methods that cover:  
- Property and Tenant creation  
- Assigning and vacating tenants  
- Validating data stored in mock repositories or the SQL database

# 6. Bug Report Can be done in the following way:

Bug ID:   
Feature Affected:  
Steps to Reproduce:  
Expected Output:  
Actual Output:  
Severity (Low/Medium/High):  
Status (Open/Resolved):