

Test Plan for CRM Module

1. Introduction

Purpose:

This document outlines the test strategy, scope, and approach for testing the CRM Module, focusing on the Manage Contacts and Manage Invoices functionalities. The goal is to ensure the system operates as expected, covering both functional and non-functional requirements.

Scope:

The test covers the following:

- API endpoints for Manage Contacts (Create, View, Update, Delete, Adjust Balance).
- API endpoints for Manage Invoices (Create, View, Return, Pay).

2. Objectives

- Ensure all user stories are implemented according to the acceptance criteria.
- Identify and document any bugs or discrepancies.
- Validate edge cases and error handling.

3. Test Strategy

- Testing Types:
 - Functional Testing: Testing endpoints according to requirements.
 - Edge Case Testing: Testing boundary conditions (e.g., invalid or missing data).
- Tools:
 - Swagger, Postman.
- Testing Methods:
 - Manual testing using Swagger.
 - Data validation using Postman.

4. Test Scope

Included:

- CRUD Operations on Contacts:
 - Create, View, Update, Delete.
 - Adjust Balance.
- Manage Invoices:
 - Create, Return, Pay invoices.

Excluded:

- Any operations not mentioned in the User Stories.

5. Test Cases

The detailed test cases are listed in the **Test Cases** sheet provided. Please refer to the file titled [Test_Cases.xlsx](#) for the complete list of test cases, including steps to reproduce, expected results, and statuses.

6. Bug Report

The bug report for all issues identified during testing can be found in the **Bug Report** sheet. Please refer to the file titled [Bug_Report.xlsx](#) for a complete list of bugs, including severity, status, and resolution.

7. Resources

- Tools: Swagger, Postman.
- Environment: QA Assignment API.
- Test Data: Data will be generated during testing (e.g., Contacts and Invoices).

8. Timeline

Phase	Duration	Details
Test Plan Preparation	1 day	Write and finalize the test plan.
Test Execution	2 days	Execute all test cases.
Documentation & Report	1 day	Compile bug reports and submit results.

9. Risks

- Issues with API connectivity.
- Delays or errors in endpoints.

10. Deliverables

- Test Plan: This document.
- Test Results: Status of all test cases (Pass/Fail).
- Bug Report: Structured documentation of all discovered issues.