Project Name: vCard Electronic Business Card

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1. Objectives

The objective of this test plan is to ensure that the virtual card platform meets all the functional requirements, provides a user-friendly experience, is secure, and performs well under various load conditions.

2. Scope

The scope of this test plan includes the following areas:

- Verifying that the data entry process is smooth.
- The information is accurately captured.
- Validating the speed and efficiency of the QR code generation process.

- Assessing the performance of the application by simulating a large number of concurrent users.
- Monitoring and reporting any performance bottlenecks or latency issues.
- Defining 2-3 design issues.
- Writing down suggestions for this application improvements.

3. Testing Levels

Testing levels to be performed:

- Smoke testing
- System testing

4. Test Types

Types of testing to be executed:

- Functional testing
- Performance testing
- Api testing
- Database Testing

5. Testing Environment

- Hardware: Desktop PC, Laptop, Smart phone
- OS: Windows 11, Mac OS, Android
- Browser: Microsoft Edge, Google chrome, Safari
- Network configurations: Cable connectivity, Wifi.
- Tools: Jira, Zephyr Scale.
- Stage: https://testapp.cisstaging.com/

6. Test Data Strategy

Outline the approach for test data creation, covering various scenarios and edge cases.

- Field validation
- Length & format
- Whitespace handling

- Character limit testing
- Special Character handling
- Localization

7. Test Case Design

Test cases will include:

- Scenario
- Short description
- Steps to recreate the issue
- Expected outcome
- Actual outcome(In case of fail)
- Test Result
- Proof(In case of fail)

8. Test Execution Approach

Manual testing

9. Defect Reporting

Defect tracking will be done zephyr scale in jira and report on defects including screenshots will be provided

10. Test Deliverables

List the expected deliverables:

- Test plans.
- Test cases.
- Bug Report
- Summary reports.