

Contact List APP

Test Plan

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1. Introduction

This document provides the testing strategy and approach required to ensure that the requirements mentioned in the API Documentation of the Contact List App are tested adequately, and that the required level of quality and reliability of the software deliverables is attained.

2. Scope

2.1 In Scope

The document mainly targets the API testing in the API Documentation provided.

- **Contacts**
 - Add Contact
 - Get Contact List
 - Get Contact
 - Update Contact
 - Update Contact
 - Delete Contact
- **Users**
 - Add Contact
 - Get User Profile
 - Update User
 - Log Out User
 - Log In User
 - Delete User

2.2 Out of Scope

- GUI Testing

3. Test Schedule

Task	Date (Day)
<ul style="list-style-type: none">- Learn about requirements- Assign requirements- Write test plan- Document explaining how each API is triggered from the UI	20-July (Saturday)
<ul style="list-style-type: none">- Design Test Cases	21-July (Sunday)
<ul style="list-style-type: none">- Design Requests on Postman	22-July (Monday)
<ul style="list-style-type: none">- Run Test Cases- Run Collection Tests on Postman	23-July (Tuesday)
<ul style="list-style-type: none">- Bug Reports- RTM- Test Summary Report	24-July (Wednesday)
<ul style="list-style-type: none">- Presentation PowerPoint	25-July (Thursday)
<ul style="list-style-type: none">- Sprint Meeting with Mamoun	26-July (Friday)

4. Test Approach

The project follows an Agile approach, with daily iterations. At the end of each day, specific requirements for that iteration will be delivered to the team for validation. The testing process will include API Functional and Security Testing to ensure that the entire workflow functions that mentioned in API Documentation are correct from start to finish.

4.1 Testing Tools

- Postman (API Testing)
- Excel Sheet (Test Cases)
- Others Tools: Trello, GitHub, Google Drive, PowerPoint, Word

5. Entry criteria and resumption requirements

Testing may be suspended if specific entry criteria are not met. For example, for example, issues such as incomplete builds, missing test data, or environmental problems, the testing team will stop working. Testing will only resume once these problems are fixed and everything needed is ready and working properly.

6. Acceptance Criteria

- Api must have fast response time less than 500ms for 90% of requests.
- The system must support 500+ active users.

7. Milestones / Deliverables

7.1 Before Testing

- Analyze Requirements
- Test Plan, Design Test Cases and Requests

7.2 During Testing

- Execute Test Cases, Bug Reports.

7.3 After Testing

- RTM
- Test Summary Report.

8. Test Environment

- OS: Windows 10 and 11
- Browsers: Brave, Chrome, Edge

9. Responsibilities

Role	Staff member	Responsibilities
Project Manager	Mamoum	<ol style="list-style-type: none">1. Acts as a primary contact for the development and QA team.2. Responsible for the Project schedule and the overall success of the project.
QA Lead	Abdelrahman	<ol style="list-style-type: none">1. Participation in the project plan creation/update process.2. Planning and organization of the test process for the release.3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing.4. Report progress on work assignments to the PM
QA Team	Majd, Ahmad, Saif	<ol style="list-style-type: none">1. Understand requirements2. Writing and executing Test cases3. Preparing RTM4. Reviewing Test cases, RTM5. Defect reporting and tracking6. Retesting and regression testing7. Bug Review meeting8. Preparation of Test Data9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling

10. Sign-Off

- **Product Manager:** Mamoun Sobh
- **QA Lead:** Abdelrahman Murad
- **QA Team:** Majd Abu Hassanien, Ahmad Badaha, Saif Araj
- **Date of Approval:** 24/7/2025