

## **Introduction: Overview of the Application and Testing Scope**

### **Application Overview**

The web application in focus is a task management system developed using Quasar and VueJS 3 with the Composition API. This system allows users to manage various tasks and requests, providing features such as user authentication and data persistence through a REST API. The primary functionalities include creating and managing requests, viewing request statuses, and navigating through different sections of the application. The application aims to streamline task management and improve user productivity.

### **Key Features:**

1. **User Authentication:** Secure login and session management.
2. **Task Management:** Creating, viewing, and managing requests.
3. **Data Persistence:** Storing and retrieving data through a REST API.
4. **User Interface:** Interactive UI components for a seamless user experience.
5. **Navigation:** Easy navigation between different sections (Dashboard, Accommodations, My Requests).

### **Testing Scope**

The testing scope includes the following areas:

1. **Authentication Testing:**
  - Valid and invalid login attempts.
  - Error messages for incorrect credentials.
  - Session management (persistent login, session timeout).
2. **New Request Form Flow:**
  - Accessing the "New Request" form.
  - Filling out and submitting the "Weight Loss Eligibility Intake Form".
  - Verifying the success message upon form submission.
3. **Data Display and User Interactions:**
  - Correct display of data in tables.
  - Functional user interactions (buttons, links, dropdowns).
  - Smooth navigation between different pages.
4. **Error Handling and Validation:**
  - Validation of form inputs.
  - Handling and displaying error messages appropriately.

### **Testing Objectives**

The primary objectives of the testing effort are to:

1. **Ensure Functionality:**
  - Verify that all features work as intended.
  - Ensure that the application behaves correctly under various conditions.
2. **Validate User Experience:**
  - Confirm that the UI is intuitive and responsive.
  - Ensure that user interactions are smooth and error-free.
3. **Identify Bugs and Issues:**
  - Detect any defects or issues in the application.
  - Provide detailed reports on identified bugs for resolution.
4. **Verify Data Integrity:**
  - Ensure that data is correctly stored and retrieved.
  - Confirm that the application maintains data integrity throughout its operations.

## **Testing Environment**

The tests will be conducted in the following environment:

- **Browser:** Google Chrome (latest version).
- **Operating System:** Windows 10 / macOS.
- **Network:** Stable internet connection to interact with the web application and REST API.

## **Summary of Test Coverage**

The test cases cover the following key areas of the application:

1. **Authentication:**
  - Valid and invalid login scenarios
  - Error handling for incorrect credentials
  - Session management (persistent login, session timeout)
2. **New Request Form Flow:**
  - Accessing and interacting with the "New Request" form
  - Submitting the "Weight Loss Eligibility Intake Form" and verifying success messages
3. **Data Display and User Interactions:**
  - Display of data in tables and forms
  - Functionality of buttons, links, and dropdowns
  - Navigation between different sections of the application
4. **Error Handling and Validation:**
  - Form field validation for required and invalid inputs
  - Display of appropriate error messages

## **Test Environment: Description of the Environment Used for Testing**

The test environment refers to the configuration of software and hardware on which the application will be tested. It includes details about the operating systems, browsers, network

configurations, and any other tools or software that are essential for conducting the tests. A well-defined test environment helps ensure consistent and reliable test results.

## Hardware

- **Processor:** Intel i5 or higher
- **RAM:** 8GB or higher
- **Storage:** 50GB free disk space
- **Network:** Stable internet connection with at least 10 Mbps download/upload speed

## Software

- **Operating Systems:**
  - Windows 10 (64-bit)
  - macOS Big Sur (11.0) or later
- **Browsers:**
  - Google Chrome (latest stable version)
  - Mozilla Firefox (latest stable version)
  - Microsoft Edge (latest stable version)
  - Safari (latest stable version on macOS)

## Test Data

- **User Credentials:**
  - Email: [qa+employee@carevalidate.com](mailto:qa+employee@carevalidate.com)
  - Password: [bLPgk5tr7D3ZqpXvV@aNKz](#)
- **Test Scenarios:**
  - Valid and invalid login attempts
  - Form submissions and validations
  - Data display and user interactions
  - Error handling and session management

## Configuration Details

- **Network Configuration:**
  - Ensure a stable and secure internet connection to interact with the web application and REST API.
  - Use a VPN if necessary to simulate different network conditions.
- **Browser Settings:**
  - Clear cache and cookies before each test run to ensure a clean state.
  - Enable developer tools for debugging and inspecting elements during testing.

Please check the below link for test cases and defects tracking

## TestCases and Defects