

Test cases

Positive scenarios:

Verify User Registration

Steps:

1. Navigate to the registration page.
2. Input first name.
3. Input last name.
4. Input valid email.
5. Input valid password (shorter than the minimum allowed length of 7).
6. Click on the submit button.

Expected Outcome: User should be successfully registered and redirected to the login page.

Verify User Login

Steps:

1. Navigate to the login page.
2. Input valid email.
3. Input valid password.
4. Click on the login button.

Expected Outcome: User should be successfully logged in and redirected to the contact list page.

Add Contact

Steps:

1. Verify user is logged in successfully (call this test case).

2. Click on the "Add New Contact" button.

3. Input valid contact details:

- First name (required).
- Last name (required).
- Date of birth (optional).
- Email (optional).
- Phone (optional).
- Street address1 (optional).
- Street address2 (optional).
- City (optional).
- State or province (optional).
- Postal code (optional).
- Country (optional).

4. Click on the submit button.

Expected Outcome: Contact successfully created and listed in the contact list.

Edit Contact Test Case

Steps:

1. Verify user is logged in successfully (call this test case).
2. Add a contact.
3. Click on the contact in the list.
4. Modify the contact details.
5. Click on the save button.

Expected Outcome: Contact details should be successfully updated.

Delete Contact Test Case

Steps:

1. Verify user is logged in successfully (call this test case).
2. Add a contact.
3. Click on the contact in the list.
4. Click on the delete button.
5. Click OK button to confirm the deletion.

Expected Outcome: Contact should be successfully deleted and removed from the contact list.

Negative Scenarios:

Verify User Cannot Login with wrong data

Steps:

1. Navigate to the login page.
2. Input invalid email.
3. Input invalid password.
4. Click on the login button.

Expected Outcome: User shouldnt login and validation error Incorrect username or password should display

Verify Contact Cannot Be Added Without Valid First and Last Name

Steps:

1. Verify user is logged in successfully (call this test case).
2. Click on the "Add New Contact" button.
3. Input valid contact details:
 - Date of birth (optional).
 - Email (optional).
 - Phone (optional).
 - Street address1 (optional).

- Street address2 (optional).
- City (optional).
- State or province (optional).
- Postal code (optional).
- Country (optional).

4. Click on the submit button.

Expected Outcome: Contact validation failed: `firstName: is required.`, `lastName: is required`.

UI Smoke Test Cases:

1. Application Launch:

- Verify that the link is not broken and application launches

2. Login Functionality:

- Confirm that users can log in with valid credentials.
- Confirm user can not login with wrong data
- Confirm user can login multiple times

3. Basic Functionality:.

- Ensure that buttons Edit Contact, Delete Contact, Return to Contact List are working

4. Contact list display:

- Check if data is displayed correctly when contact is added, deleted, edited.

API Smoke Test Cases:

1. Authentication:

- Authenticates with valid credentials
- Status code 200

2. Add Users:

- sends POST request to create a user
- verifies user created successfully

3. **Get Single User:**

- Send a request to retrieve details of a single user and verifies if in list
- Verify user details are returned

4. **Error Handling:**

- Send a request with invalid parameters to create user without first and last name
- Verify that the API returns an appropriate error response.

5. **Edits User Information:**

- sends request for specific user PUT /contacts/id
- Confirm that the user information is updated successfully.

6. **Delete User:**

- sends delete request
- Verify that the user is deleted successfully.

Bug Title: Error after Logout when Adding New Contact

Bug Description:

After performing the following steps, an error occurs when attempting to add a new contact after logging out, instead of being navigated to the login page.

Steps to Reproduce:

1. Login via valid email and password.
2. Navigate to <https://thinking-tester-contact-list.herokuapp.com/contactList>.
3. Open a new tab and go to <https://thinking-tester-contact-list.herokuapp.com/addContact>.
4. Go back to <https://thinking-tester-contact-list.herokuapp.com/contactList> and Logout.
5. On <https://thinking-tester-contact-list.herokuapp.com/addContact>, input First Name and Last Name and click Submit.

Actual Results:

After step 5, an undefined error occurs, and the user remains on the <https://thinking-tester-contact-list.herokuapp.com/addContact> page.

Expected Results:

After step 5, the user should be navigated to the login page, and a message indicating successful logout should be displayed.

Environment:

- Browser: Safari, Chrome
- Operating System: macOS

Additional Information:

- The error message received Undefined.
- Screenshots of an image

The screenshot shows the 'Add Contact' page of a web application. At the top, there is a dark navigation bar with 'Contact List App' on the left and 'Add Contact' on the right. The main heading 'Add Contact' is centered at the top of the page. In the top right corner, there is a 'Logout' button. Below the heading, a red 'undefined' error message is displayed. The form contains several input fields: 'First Name' (with the value 'Selma'), 'Last Name' (with the value 'soa'), 'Date of Birth' (with the placeholder 'yyyy-MM-dd'), 'Email' (with the value 'example@email.com'), 'Phone' (with the value '8005551234'), 'Street Address 1' (with the placeholder 'Address 1'), 'Street Address 2' (with the placeholder 'Address 2'), 'City', 'State or Province', 'Postal Code', and 'Country'. At the bottom of the form, there are 'Submit' and 'Cancel' buttons.