

1. Problem Statement

Develop a Contact website using Blazor Server and EF Core, must be able to do view the contacts, add a contact, edit a contact, and delete a contact (CRUD operations)

2. Requirements

2.1. Assumptions

- User inputs will be done through inputs elements and forms on the website
- Database will be only updated via EF CORE and Blazor Server
- Contact Input Types

Attribute	Data Type
LastName	String
FirstName	String
PhoneNumber	String
BirthDate	DateTime

2.2. Specifications

2.2.1 Input Specifications

- **Contacts List Page**
 - Add Contact button will initiate the process **Redirect to Add Contact Page**
 - Edit/View link will initiate the process **Redirect to Edit a Contact** process
- **Add a Contact Page**
 - User will enter 4 inputs below
 - Last Name (required)
 - First Name (required)
 - Birth Date (not required)

- Phone number (not required)
 - Submit button will submit the information entered to be processed
 - Cancel button will initiate the process **Redirect to Contacts List Page**
- **Edit a Contact Page**
 - User will change the 4 inputs below
 - Last Name (required)
 - First Name (required)
 - Birth Date (not required)
 - Phone number (not required)
 - Submit button will submit the updated information entered to be processed and initiate the **Editing Contact** process
 - Delete button will initiate the process **Deleting a Contact**
 - Cancel button will initiate the process **Redirect to Contacts List Page**
- **Delete Contact Button**
 - Initiate a process to delete a contact
- **Input Errors**
 - Form values for Add a Contact and Edit a Contact
 - Last Name
 - The input value is blank
 - The input value is more than 250 characters
 - First Name
 - The input value is blank
 - The input value is more than 250 characters
 - Phone Number
 - The input value is more than 15 characters

2.2.2 Process Specifications

- **Deleting a Contact**
 - Delete contact information and redirect to the **Contacts List Page**
- **Adding a Contact**
 - Save new contact information and redirect to **Contacts List Page**
- **Editing Contact**

- Save updated contact information and redirect to **Contacts List Page**
- **Retrieve Contact List**
 - retrieve the entire contact list from database and **redirect to Contacts List Page**
- **Redirect to Edit a Contact Page**
 - Redirect to the Edit a Contact Page
- **Redirect to Contacts List Page**
 - Redirect to the Contacts List Page
- **Redirect to Add Contact Page**
 - Redirect to the Add List Page

2.2.3 Output Specifications

- **Add Contact Page**
 - Display the form to add a contact
- **Edit Contact Page**
 - Display contact information of the user id specified in the link
- **Contact List Page**
 - Display all the existing contacts

3. Decomposition Diagram

(Used to break program down into components visually. Can have as many components as needed. Defines functionality that will solve the problem – does NOT define a flow)

- Input
 - Add Contact Page
 - First Name, Last Name, Phone, and Address
 - Cancel Button
 - Save Button
 - Edit a Contact Page
 - First Name, Last Name, Phone, and Address
 - Delete Button
 - Cancel Button
 - Save Button
 - Contact List Page

- Add Contact Button
 - Edit/View link
- Process
 - Adding a Contact
 - Updating a Contact
 - Deleting a contact
 - Retrieve Contacts List
 - Redirect to **Edit a Contact Page**
 - Redirect to **Contacts List Page**
 - Redirect to **Add Contact Page**
- Output
 - Add Contact Page
 - Edit Contact Page
 - Contact List Page

4. Test Strategy

Invalid and valid data

5. Test Plan Version 1

Test Strategy	Test #	Description	Input	Expected Output	Actual Output	Pass/Fail
Valid	1	User attempts to add a new contact and enters valid first name, last name, phone				

		number, and birthdate				
Invalid	2	User attempts to add a new contact and enters valid first name, last name, and birthdate but invalid phone number				
Invalid	3	User attempts to add a new contact and enters valid first name, phone number and birthdate but invalid last name				
Invalid	4	User attempts to add a new contact and enters valid first name, phone number and birthdate but invalid last name (blank)				
Invalid	5	User attempts to add a new contact and enters valid last name,				

		phone number and birthdate but invalid first name				
Invalid	6	User attempts to add a new contact and enters valid last name, phone number and birthdate but invalid first name (blank)				
Valid	7	User attempts to update an existing contact and changes contact information with a valid first name, last name, phone, datetime				
Invalid	8	User attempts to update an existing contact with a valid last name, phone, birthdate but an invalid first name				
Invalid	9	User attempts to				

		update an existing contact with a valid last name, phone, birthdate but an invalid first name (blank)				
Invalid	10	User attempts to update an existing contact with a valid first name, phone, birthdate but an invalid last name				
Invalid	11	User attempts to update an existing contact with a valid first name, phone, birthdate but an invalid last name (blank)				
Invalid	12	User attempts to update an existing contact with valid first name, last name, and birthdate but an invalid phone				

Valid	13	User attempts to delete an existing contact				
Valid	14	User clicks “Cancel” Button on Add Contact Page				
	15	User clicks “Cancel” Button on Edit a Contact Page and redirects back to the Contact List Page				
Valid	16	User clicks “Add Contact” button and redirects to the Add Contact Page				
Valid	7	User clicks “view/edit” link for one of the contacts listed in the Contacts List Page and is redirected to the Edit a Contact Page				

6. Initial Algorithm

Your first algorithm should go here. **DO NOT CHANGE ANYTHING ONCE YOU START CODING!!!** What is the logic to follow in the program to solve the problem?

1. Contact List Page
 - a. “Add a Contact” button
 - i. Call method redirect to “Add a Contact” page
 - b. Table with the columns: Last name, first name, Birthdate, Phone No., Action
 - i. loop through the Contact List array
 - ii. For the action column, href link to redirect to “Edit a Contact” page
 - c. Implement method to redirect to “Add a Contact” page
 - d. Implement method to make a call to retrieve and then display all the contacts stored in the database in the Contact List array
 - e. Contact List array
 - i. contains a list of Contact objects
2. Add a Contact Page
 - a. Form with the following inputs: Last Name, First Name, Birthdate, Phone number
 - b. “Cancel” button
 - i. call method redirect to “Contact List” page
 - c. “Save” button
 - i. call method to save contact information to database and then redirect to “Contact List” page
 - d. Implement method to redirect to “Contact List” page
 - e. Implement method to save contact information to database and then redirect to “Contact List” page
3. Edit a Contact Page
 - a. Form with the following inputs: Last Name, First Name, Birthdate, Phone number
 - b. “Delete” button
 - i. call method to delete contact information from the database then redirect to “Contact List” page

- c. “Cancel” button
 - i. call method redirect to “Contact List” page
 - d. “Save” button
 - i. call method to save the updated contact information to database and then redirect to “Contact List” page
 - e. Implement method to redirect to “Contact List” page
 - f. Implement method to save updated contact information to database and then redirect to “Contact List” page
 - g. Implement method to delete contact information from the database then redirect to “Contact List” page
 - h. Implement method to retrieve contact information from the database based on the Id record of the contact
 - i. Contact Object instance
4. Contact Object Model
- a. Last Name: String
 - b. First Name:String
 - c. Birthdate: Date
 - d. Phone Number:String

7. Test Plan Version 2

Test Strategy	Test #	Description	Input	Expected Output	Actual Output	Pass/Fail
Valid	1	User attempts to add a new contact and enters valid first name, last name, phone number, and birthdate	First Name: Peter , Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21	User is successfully added		
Invalid	2	User attempts to add a new contact and	First Name: Peter , Last Name: Schubert, Phone: 111-111-1111-111	“Phone number is not valid”		

		enters valid first name, last name, and birthdate but invalid phone number	1-1111, Birthdate: 8/29/21			
Invalid	3	User attempts to add a new contact and enters valid first name, phone number and birthdate but invalid last name	First Name: Peter , Last Name:kadsfndakf kdfnadfknsdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsfkadsf ndakfkdfnadfknsd alfnsdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsf, Phone: 111-111-1111, Birthdate: 8/29/21	"Last name is not valid"		
Invalid	4	User attempts to add a new contact and enters valid first name, phone number and birthdate but	First Name: Peter , Last Name: "", Phone: 111-111-1111, Birthdate: 8/29/21	"Last name is required"		

		invalid last name (blank)				
Invalid	5	User attempts to add a new contact and enters valid last name, phone number and birthdate but invalid first name	First Name: Name:kadsfndakf kdfnadfknisdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknisdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsfkadsf ndakfkdfnadfknisd alfnisdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknisdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsf , Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21	"First name is not valid"		
Invalid	6	User attempts to add a new contact and enters valid last name, phone number and birthdate but invalid first name (blank)	First Name: "", Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21	"First name is required"		

Valid	7	User attempts to update an existing contact and changes contact information with a valid first name, last name, phone, datetime	First Name: Max, Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21			
Invalid	8	User attempts to update an existing contact with a valid last name, phone, birthdate but an invalid first name	First Name: Name:kadsfndakf kdfnadfknisdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljdsapfojdsan oasdfknisdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljdsdaofdjsfkadsf ndakfkdfnadfknisd alfnsdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljdsapfojdsan oasdfknisdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljdsdaofdjsf , Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21			
Invalid	9	User attempts to update an existing	First Name: "", Last Name: Schubert, Phone: 111-111-1111,	"First name is required"		

		contact with a valid last name, phone, birthdate but an invalid first name (blank)	Birthdate: 8/29/21			
Invalid	10	User attempts to update an existing contact with a valid first name, phone, birthdate but an invalid last name	First Name: Peter , Last Name:kadsfndakf kdfnadfknsdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsfkadsf ndakfkdfnadfknsd alfnsdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsf, Phone: 111-111-1111, Birthdate: 8/29/21	"Last name is not valid"		
Invalid	11	User attempts to update an existing contact with a valid first name, phone, birthdate but	First Name: Peter, Last Name: "", Phone: 111-111-1111, Birthdate: 8/29/21	"Last name is required"		

		an invalid last name (blank)				
Invalid	12	User attempts to update an existing contact with valid first name, last name, and birthdate but an invalid phone	First Name: Peter , Last Name: Schubert, Phone: 111-111-1111-1111-1111, Birthdate: 8/29/21	“Phone number is valid”		
Valid	13	User attempts to delete an existing contact	Click “delete” button on the edit/view page	user is deleted		
Valid	14	User clicks “Cancel” Button on Add Contact Page	N/A	user is redirected to contact list page		
	15	User clicks “Cancel” Button on Edit a Contact Page and redirects back to the Contact List Page	N/A	user is redirected to contact list page		
Valid	16	User clicks “Add Contact” button and redirects to the Add	N/A	user is redirected to contact list page		

		Contact Page				
Valid	17	User clicks “view/edit” link for one of the contacts listed in the Contacts List Page and is redirected to the Edit a Contact Page	N/A	user is redirected to Edit Contact Page		

8. Code

*See Github for code

9. Updated Algorithm

5. Contact List Page

- a. “Add a Contact” button
 - i. Call method redirect to “Add a Contact” page
- b. Table with the columns: Last name, first name, Birthdate, Phone No., Action
 - i. loop through the Contact List array
 - ii. For the action column, href link to redirect to “Edit a Contact” page
- c. Implement method to redirect to “Add a Contact” page
- d. Implement method to make a call to retrieve and then display all the contacts stored in the database in the Contact List array
- e. Contact List array
 - i. contains a list of Contact objects

6. Add a Contact Page
 - a. Form with the following inputs: Last Name, First Name, Birthdate, Phone number
 - b. “Cancel” button
 - i. call method redirect to “Contact List” page
 - c. “Save” button
 - i. call method to save contact information to database and then redirect to “Contact List” page
 - d. Implement method to redirect to “Contact List” page
 - e. Implement method to save contact information to database and then redirect to “Contact List” page
7. Edit a Contact Page
 - a. Form with the following inputs: Last Name, First Name, Birthdate, Phone number
 - b. “Delete” button
 - i. call method to delete contact information from the database then redirect to “Contact List” page
 - c. “Cancel” button
 - i. call method redirect to “Contact List” page
 - d. “Save” button
 - i. call method to save the updated contact information to database and then redirect to “Contact List” page
 - e. Implement method to redirect to “Contact List” page
 - f. Implement method to save updated contact information to database and then redirect to “Contact List” page
 - g. Implement method to delete contact information from the database then redirect to “Contact List” page
 - h. Implement method to retrieve contact information from the database based on the Id record of the contact
 - i. Contact Object instance
8. Contact Object Model
 - a. Last Name: String
 - b. First Name:String
 - c. Birthdate: Date
 - d. Phone Number:String

10. Test Plan Version 3

Test Strategy	Test #	Description	Input	Expected Output	Actual Output	Pass/Fail
Valid	1	User attempts to add a new contact and enters valid first name, last name, phone number, and birthdate	First Name: Peter , Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21	User is successfully added	*See screenshots below	Pass
Invalid	2	User attempts to add a new contact and enters valid first name, last name, and birthdate but invalid phone number	First Name: Peter , Last Name: Schubert, Phone: 111-111-1111-1111, Birthdate: 8/29/21	"Phone number is not valid"	*See screenshots below	Pass
Invalid	3	User attempts to add a new contact and enters valid first name, phone number and birthdate but invalid last name	First Name: Peter , Last Name:kadsfndakf kdfnadfknisdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfnknsdafnsdkf nldsafndascklvns	"Last name is not valid"	*See screenshots below	Pass

			dlfkmsdaozklfjds ozljsdaofdjsfkadsf ndakfkdfnadfknsd alfnisdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaozklfjds ozljsdaofdjsf, Phone: 111-111-1111, Birthdate: 8/29/21			
Invalid	4	User attempts to add a new contact and enters valid first name, phone number and birthdate but invalid last name (blank)	First Name: Peter , Last Name: "", Phone: 111-111-1111, Birthdate: 8/29/21	"Last name is required"	*See screenshots below	Pass
Invalid	5	User attempts to add a new contact and enters valid last name, phone number and birthdate but invalid first name	First Name: Name:kadsfndakf kdfnadfknsdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaozklfjds ozljsdaofdjsfkadsf ndakfkdfnadfknsd alfnisdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk	"First name is not valid"	*See screenshots below	Pass

			v asdifljisdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljdsdaofdjsf , Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21			
Invalid	6	User attempts to add a new contact and enters valid last name, phone number and birthdate but invalid first name (blank)	First Name: “”, Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21	“First name is required”	*See screenshots below	Pass
Valid	7	User attempts to update an existing contact and changes contact information with a valid first name, last name, phone, datetime	First Name: Max, Last Name: Scherzer , Phone: 333-333-3333, Birthdate: 8/31/21	user is successfully updated	*See screenshots below	Pass
Invalid	8	User attempts to update an existing contact with a valid last name,	First Name: Name:kadsfndakf kdfnadfknsdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v		*See screenshots below	Pass

		phone, birthdate but an invalid first name	asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsfkadsf ndakfkdfnadfknsd alfnsdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsf , Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21			
Invalid	9	User attempts to update an existing contact with a valid last name, phone, birthdate but an invalid first name (blank)	First Name: “”, Last Name: Schubert, Phone: 111-111-1111, Birthdate: 8/29/21	“First name is required”	*See screenshots below	Pass
Invalid	10	User attempts to update an existing contact with a valid first name, phone, birthdate but an invalid last name	First Name: Peter , Last Name:kadsfndakf kdfnadfknsdalfns dakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds	“Last name is not valid”	*See screenshots below	Pass

			ozljsdaofdjsfkadsf ndakfkdfnadfknsd alfnsdakflnsdan gasf0efjaesfosadn ksadfjnsdafnasdk v asdifljsdapfojdsan oasdfknsdafnsdkf nldsafndascklvns dlfkmsdaoazklfjds ozljsdaofdjsf, Phone: 111-111-1111, Birthdate: 8/29/21			
Invalid	11	User attempts to update an existing contact with a valid first name, phone, birthdate but an invalid last name (blank)	First Name: Peter, Last Name: "", Phone: 111-111-1111, Birthdate: 8/29/21	"Last name is required"	*See screenshots below	Pass
Invalid	12	User attempts to update an existing contact with valid first name, last name, and birthdate but an invalid phone	First Name: Peter , Last Name: Schubert, Phone: 111-111-1111-111 1-1111, Birthdate: 8/29/21	"Phone number is valid"		Pass
Valid	13	User attempts to delete an existing contact	Click "delete" button on the edit/view page	user is deleted	*See screenshots below	

Valid	14	User clicks “Cancel” Button on Add Contact Page	N/A	user is redirected to contact list page		
Valid	15	User clicks “Cancel” Button on Edit a Contact Page and redirects back to the Contact List Page	N/A	user is redirected to contact list page	*See screenshots below	Pass
Valid	16	User clicks “Add Contact” button and redirects to the Add Contact Page	N/A	user is redirected to contact list page	*See screenshots below	
Valid	17	User clicks “view/edit” link for one of the contacts listed in the Contacts List Page and is redirected to the Edit a Contact Page	N/A	user is redirected to Edit Contact Page	*See screenshots below	Pass

11. Screenshots

Test #	Screenshot																																			
1	<div><div><div>CMS</div><div>Contact</div></div><div><div>About</div><div>Add a Contact</div><div><div>First Name:</div><div>Peter</div></div><div><div>Last Name:</div><div>Schubert</div></div><div><div>Birth Date:</div><div>08/29/2021</div><div></div></div><div><div>Phone Number:</div><div>111-111-1111</div></div><div><div>Cancel</div><div>Submit</div></div></div></div> <div><div><div>CMS</div><div>Contact</div></div><div><div>About</div><div>Contacts</div><div>Add Contact</div><table><tr><th>Last Name</th><th>First Name</th><th>BirthDate</th><th>Phone Number</th><th>Action</th></tr><tr><td>AppleSeed</td><td>Johnny</td><td>8/29/2021</td><td>2481111111</td><td>Edit/View</td></tr><tr><td>Zimmer</td><td>John</td><td>8/29/2021</td><td>231-777-7777</td><td>Edit/View</td></tr><tr><td>Wilson</td><td>Adam</td><td>8/29/2021</td><td>231-777-7777</td><td>Edit/View</td></tr><tr><td>Scherzer</td><td>Max</td><td>8/29/2021</td><td>2481111111</td><td>Edit/View</td></tr><tr><td>Cabrera</td><td>Miguel</td><td>8/29/2021</td><td>231-777-7777</td><td>Edit/View</td></tr><tr><td>Schubert</td><td>Peter</td><td>8/29/2021</td><td>111-111-1111</td><td>Edit/View</td></tr></table></div></div>	Last Name	First Name	BirthDate	Phone Number	Action	AppleSeed	Johnny	8/29/2021	2481111111	Edit/View	Zimmer	John	8/29/2021	231-777-7777	Edit/View	Wilson	Adam	8/29/2021	231-777-7777	Edit/View	Scherzer	Max	8/29/2021	2481111111	Edit/View	Cabrera	Miguel	8/29/2021	231-777-7777	Edit/View	Schubert	Peter	8/29/2021	111-111-1111	Edit/View
Last Name	First Name	BirthDate	Phone Number	Action																																
AppleSeed	Johnny	8/29/2021	2481111111	Edit/View																																
Zimmer	John	8/29/2021	231-777-7777	Edit/View																																
Wilson	Adam	8/29/2021	231-777-7777	Edit/View																																
Scherzer	Max	8/29/2021	2481111111	Edit/View																																
Cabrera	Miguel	8/29/2021	231-777-7777	Edit/View																																
Schubert	Peter	8/29/2021	111-111-1111	Edit/View																																

2

CMS

Contact

About

Add a Contact

- Phone number is not valid

First Name:

Last Name:

Birth Date:

Phone Number:

Cancel

Submit

3

CMS

Contact

About

Add a Contact

- Last Name is not valid

First Name:

Last Name:

Birth Date:

Phone Number:

Cancel

Submit

4

CMS

Contact

About

Add a Contact

- The LastName field is required.

First Name:

Last Name:

Birth Date:

Phone Number:

Cancel

Submit

5

CMS

Contact

About

Add a Contact

- First Name is not valid

First Name:
kadsfndakfkdfnadfknisdalfnsdakflnsdan gasf0etfjaesfosadnksadfnjsdafnaskdv asdflljsdapfojdsanoasdfknisdafnaskfhlidsa

Last Name:
Schubert

Birth Date:
08/29/2021

Phone Number:
111-111-1111

CancelSubmit

6

CMS

Contact

About

Add a Contact

- The FirstName field is required.

First Name:

Last Name:
Schubert

Birth Date:
08/29/2021

Phone Number:
111-111-1111

CancelSubmit

7

CMS

Contact

About

Edit a Contact

First Name:
Max

Last Name:
Scherzer

Birth Date:
08/31/2021

Phone Number:
333-333-3333

DeleteCancelSubmit

8

CMS

About

Contact

Edit a Contact

- First Name is not valid

First Name:

Name:kadsfndakfkdfnadfknsdalfnsdakfnsdan gasfoefjaesfosadnksadfnjsdafnasdkv asdifjjsdapfojdsanoasdfiknsdafnsdk

Last Name:

Schubert

Birth Date:

08/29/2021

Phone Number:

111-111-1111

Delete

Cancel

Submit

9

CMS

About

Contact

Edit a Contact

- The FirstName field is required.

First Name:

Last Name:

Schubert

Birth Date:

08/29/2021

Phone Number:

111-111-1111

Delete

Cancel

Submit

10

CMS

About

Contact

Edit a Contact

- Last Name is not valid

First Name:

Peter

Last Name:

kadsfndakfkdfnadfknsdalfnsdakfnsdan gasfoefjaesfosadnksadfnjsdafnasdkv asdifjjsdapfojdsanoasdfiknsdafnsdkfnidsa

Birth Date:

08/29/2021

Phone Number:

111-111-1111

Delete

Cancel

Submit

11

CMS

Contact

About

Edit a Contact

- The LastName field is required.

First Name:

Last Name:

Birth Date:

Phone Number:

Delete

Cancel

Submit

12

CMS

Contact

About

Edit a Contact

- Phone number is not valid

First Name:

Last Name:

Birth Date:

Phone Number:

Delete

Cancel

Submit

13

CMS

Contact

About

Add a Contact

First Name:

Last Name:

Birth Date:

Phone Number:

Delete

Cancel

Submit

CMS

Contact

About

Contacts

Add Contact

Last Name	First Name	BirthDate	Phone Number	Action
AppleSeed	Johnny	8/29/2021	2481111111	Edit/View
Wilson	Adam	8/29/2021	231-777-7777	Edit/View
Scherzer	Max	8/29/2021	2481111111	Edit/View
Cabrera	Miguel	8/29/2021	231-777-7777	Edit/View
Schubert	Peter	8/29/2021	111-111-1111	Edit/View

14

CMS


Contact

About

Add a Contact

First Name:

Last Name:

Birth Date:


Phone Number:

Cancel

Submit

15

CMS

Contact

About

Edit a Contact

First Name:

Last Name:

Birth Date:

Phone Number:

Delete

Cancel

Submit

16

CMS

Contact

About

Add a Contact

First Name:

Last Name:

Birth Date:

Phone Number:

Cancel

Submit

17

CMS

Contact

About

Edit a Contact

First Name:

Last Name:

Birth Date:

Phone Number:

Delete

Cancel

Submit

12. Error Log

Any issues you had while testing your code are recorded in the error log as you perform testing of the “completed” code – that is, when you run through all of the test cases in the test plan.

Error Type	Cause of Error	Solution to Error
Logic	creating a new object for update contact when the original object should have been modified	update existing object when the user is retrieve

13. Status

The application fully works with the assumptions in place