

# Customer Relationship Management

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## NOTE

- This Spring MVC application, after running it on the server, can be accessed at the URL <http://localhost:8080/CustomerRelationshipManagement/customers/list> where 8080 is the port number of the Tomcat Server. If your port number is different than 8080 kindly replace the 8080 in URL with your Tomcat Port Number
- A screen recorded demonstration of all CRUD operations and the responsiveness of the web pages is available on the README render.

## SCREENSHOTS

### 1. The list of all the Customers

Customer Relationship Management				<a href="#">Add Customer</a>
LIST OF ALL CUSTOMERS				
FIRST NAME	LAST NAME	EMAIL	ACTION	
Harry	Potter	harrypotter21@gmail.com	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
Jack	Reacher	jreacher@gmail.com	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
Dean	Winchester	dwinchester@gmail.com	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
Sam	Winchester	swinchester@gmail.com	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
Lucifer	Morningstar	lucistar@gmail.com	<a href="#">UPDATE</a>	<a href="#">DELETE</a>
Chloe	Decker	cdecker@gmail.com	<a href="#">UPDATE</a>	<a href="#">DELETE</a>

## 2. The blank Customer Form to save the Customer Details

### Customer Relationship Management

#### ADD A NEW CUSTOMER



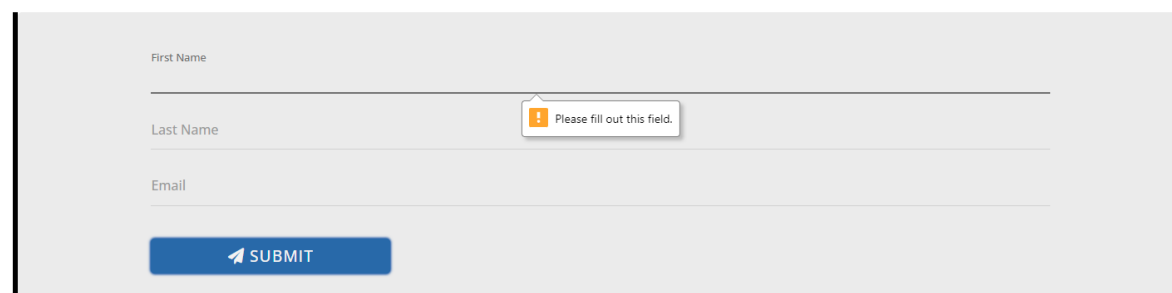
A screenshot of a web form titled "ADD A NEW CUSTOMER" under the heading "Customer Relationship Management". The form is set against a light gray background and contains three input fields: "First Name", "Last Name", and "Email". Each field has a thin gray border and a small vertical line on the left side. Below the "Email" field is a blue button with a white arrow icon and the text "SUBMIT".

[← Back to Customers List](#)

## 3. The validation on the Customer Form

### Customer Relationship Management

#### ADD A NEW CUSTOMER



A screenshot of the same "ADD A NEW CUSTOMER" form, but now with a validation error. The "First Name" field is empty, and a small white tooltip with an orange exclamation mark icon and the text "Please fill out this field." is displayed next to it. The "Last Name" and "Email" fields are also empty. The blue "SUBMIT" button remains at the bottom.

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#### 4. The Customers Details are entered in the Customer Form

### Customer Relationship Management

#### ADD A NEW CUSTOMER

First Name  
Robert

Last Name  
Langdon

Email  
rlangdon@gmail.com

 SUBMIT



















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#### 5. The updated list of the Customers

### Customer Relationship Management

[Add Customer](#)

#### LIST OF ALL CUSTOMERS

 FIRST NAME	 LAST NAME	 EMAIL	 ACTION	
Harry	Potter	harrypotter21@gmail.com	 UPDATE	 DELETE
Jack	Reacher	jreacher@gmail.com	 UPDATE	 DELETE
Dean	Winchester	dwinchester@gmail.com	 UPDATE	 DELETE
Sam	Winchester	swinchester@gmail.com	 UPDATE	 DELETE
Lucifer	Morningstar	lucistar@gmail.com	 UPDATE	 DELETE
Chloe	Decker	cdecker@gmail.com	 UPDATE	 DELETE
Robert	Langdon	rlangdon@gmail.com	 UPDATE	 DELETE

6. To update the Customer Details, we are directed to the Customer Form page with pre-filled values of the selected Customer

## Customer Relationship Management

### UPDATE THE CUSTOMER DETAILS

First Name

Robert

Last Name

Langdon

Email

rlangdon@gmail.com

SUBMIT















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7. The updated Customers details in the list of the Customers page

## Customer Relationship Management

+ Add Customer

### LIST OF ALL CUSTOMERS

👤 FIRST NAME	👤 LAST NAME	✉ EMAIL	⚡ ACTION
Harry	Potter	harrypotter21@gmail.com	 UPDATE  DELETE
Jack	Reacher	jreacher@gmail.com	 UPDATE  DELETE
Dean	Winchester	dwinchester@gmail.com	 UPDATE  DELETE
Sam	Winchester	swinchester@gmail.com	 UPDATE  DELETE
Lucifer	Morningstar	lucistar@gmail.com	 UPDATE  DELETE
Chloe	Decker	cdecker@gmail.com	 UPDATE  DELETE
Robert	Langdon	roblangdon@gmail.com	 UPDATE  DELETE

8. On clicking the delete button, a pop up is generated to confirm the deletion

Customer Relationship Management

Add Customer

LIST OF ALL CUSTOMERS

FIRST NAME	LAST NAME	EMAIL	ACTION	
Harry	Potter	harrypotter21@gmail.com	UPDATE	DELETE
Jack	Reacher		UPDATE	DELETE
Dean	Winchester		UPDATE	DELETE
Sam	Winchester		UPDATE	DELETE
Lucifer	Morningstar	lucistar@gmail.com	UPDATE	DELETE
Chloe	Decker	cdecker@gmail.com	UPDATE	DELETE
Robert	Langdon	roblangdon@gmail.com	UPDATE	DELETE

localhost:8080  
Are you sure you want to delete this customer details?  
OK Cancel

localhost:8080/CustomerRelationshipManagement/customers/delete/customerId=15

9. The updated list of the Customers

Customer Relationship Management

Add Customer

LIST OF ALL CUSTOMERS

FIRST NAME	LAST NAME	EMAIL	ACTION	
Harry	Potter	harrypotter21@gmail.com	UPDATE	DELETE
Jack	Reacher	jreacher@gmail.com	UPDATE	DELETE
Dean	Winchester	dwinchester@gmail.com	UPDATE	DELETE
Sam	Winchester	swinchester@gmail.com	UPDATE	DELETE
Lucifer	Morningstar	lucistar@gmail.com	UPDATE	DELETE
Chloe	Decker	cdecker@gmail.com	UPDATE	DELETE