Customer Relationship Management App

Overview

The application is a web-application that enables an end user to maintain his customers' record. It has basic features wherein the user can see a list of all customers, add and delete a customer. Also, end user can update record of a customer.

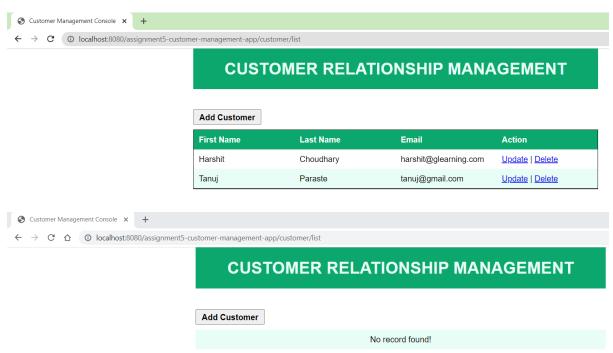
Software Components Utilized for Development

- Java 17
- Spring Framework 5.3.9
- Hibernate 5.6.5
- Apache Tomcat 9.0.64
- MySQL 8.0.28

Application Features

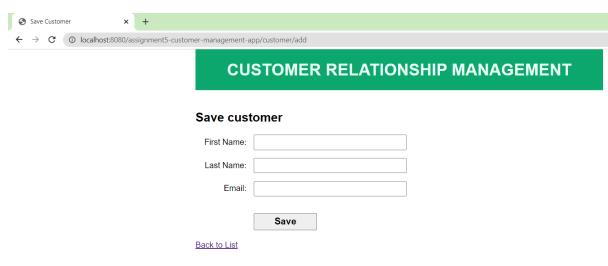
See all customers

The home page of the application displays a list of all customers. It displays **No record found!** If there's no customer available. It features **Add Customer** button to add a new customer.

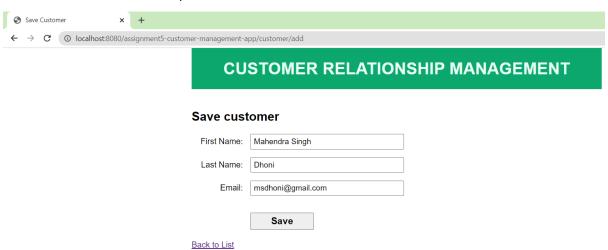


Adding a new customer

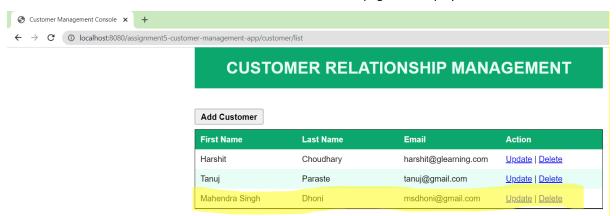
Press Add Customer button on the home page to display the Save Customer window as shown below.



Enter customer details in the respective fields. Refer the screenshot below.



Press Save to save the record. You will be redirected to the home page that displays list of all customers.



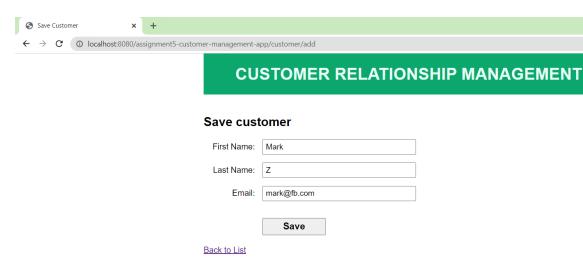
A new record with First Name Mahendra Singh has been added in the list as shown above.

From this window, you can add a new customer again by following steps described <u>Adding a new customer</u> section, update or delete a customer record.

Back to List on Save Customer window

Visit this link to navigate to home page anytime in case you don't want to save a record.

Click on **Add Customer** button on the home page. Enter customer details.



Press Back to List to see the list of all customers. No new record will be saved.

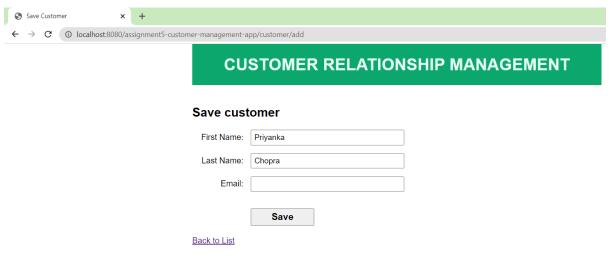


No new record got added.

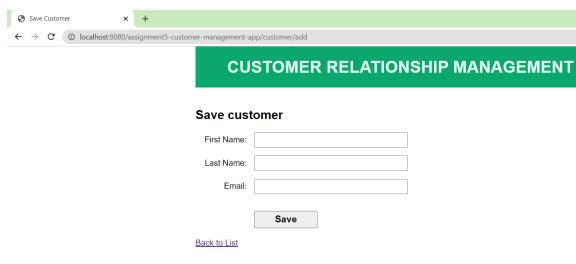
Note on Save Customer window

The **Save Customer** form requires that all fields are filled with some data. Partial filling of the form is not accepted. If you partially fill the form then you might need to enter all data from the beginning again.

Click Add Customer button on the home page and enter partial data in the form as shown below.



Press Save.



See all the entered data got deleted. 🐞 😟

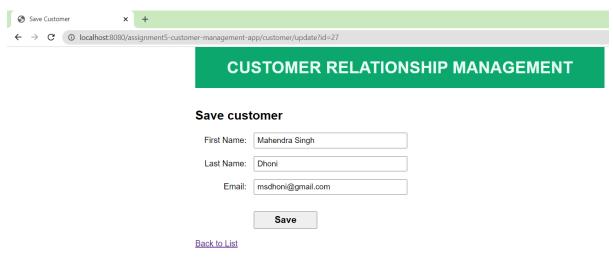
Updating an existing customer detail

If the customer list has at least one record then you see **Update** hyperlink in the **Action** column of the respective record.

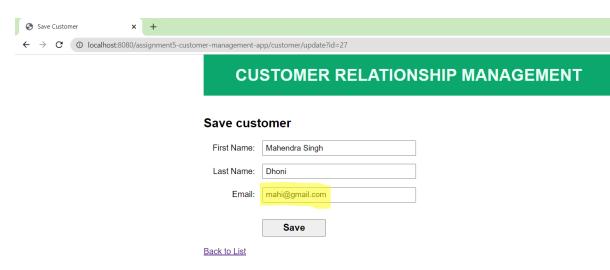
Click Update link to update that customer's record.



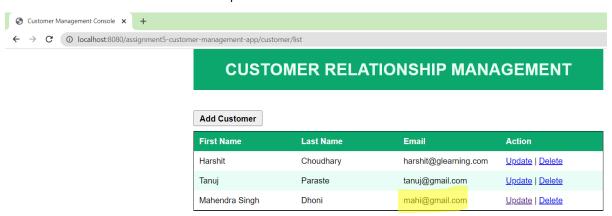
Clicking Update link for Mahendra Singh. A **Save Customer** window will be opened with prefilled data for the respective customer.



Updating Email field as shown below.



Press Save to see the customer list with updated data.

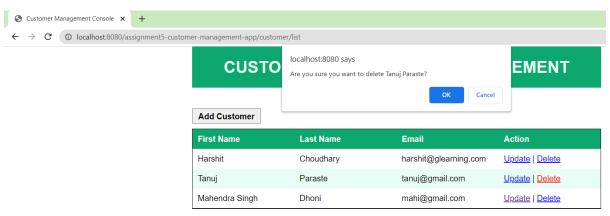


Updated Email from msdhoni@gmail.com to mahi@gmail.com to mahi@gmail.com to mahi@gmail.com to mahi@gmail.com to msdhoni@gmail.com to msdhoni@gmail.com to msdhoni@gmail.com to msdhoni@gmail.com <a href="msdhon

Deleting a customer

If the customer list has at least one record then you see **Delete** hyperlink in the **Action** column of the respective record. Click Delete link to remove that customer's record. A confirmation pop-up window will be displayed when you click on Delete link.

Click Delete for a record.



Click OK to remove the record.

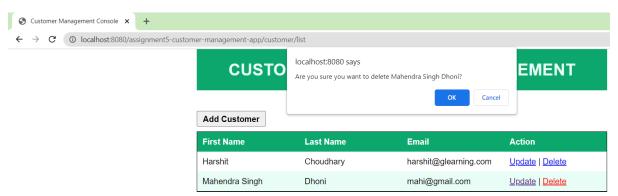


Records for Tanuj has been removed as shown above.

Cancelling deletion

When you click on **Delete** link for a customer record, a pop-up window is displayed with **OK** and **Cancel** buttons. Press Cancel to abort the deletion operation.

Press on Delete link.



Pressing Delete link for Mahendra Singh record.

Press Cancel.



Mahendra Singh was not deleted from the record.