

# Customer Relationship Management

## web application

### 1. Creating Customer Entry.

a. Below is the screenshot of the form page filled with data.

The screenshot shows a web browser window with the URL `localhost:8080/ChristyXavier_ORMandSpringMVCAssignmentSolution/customer/showFormForAdd`. The page title is "CUSTOMER RELATIONSHIP MANAGEMENT". Below the title is a section labeled "Save Customer". It contains three input fields: "Frist Name:" with the value "christy", "Last Name:" with the value "xavier", and "Email:" with the value "christy@gmail.com". There is a blue "Save" button below the fields. At the bottom of the form, there is a link "Back to student list".

b. Below is the screenshot of the mySQL db. Upon clicking on save in the above screenshot, the data got saved into the database.

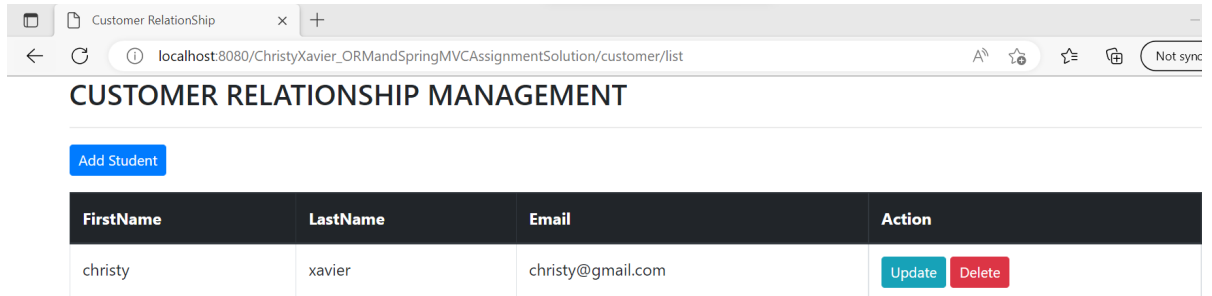
The screenshot shows the MySQL database interface. The "Schemas" panel on the left shows the "customermanagement" database selected. The "Tables" panel shows the "customer" table. The "SQL File 13\*" panel shows the query `SELECT * FROM customermanagement.customer;`. The "Result Grid" panel shows the following data:

CustomerId	Email	FirstName	LastName
1	christy@gmail.com	christy	xavier
NULL	NULL	NULL	NULL

The "Table: customer" panel at the bottom shows the table structure.

## 2. Main page View ( list of records).

- a. Below is the screenshot of the main page. Upon clicking on the save button, the page is redirected to the main page and where the newly created record is displayed.

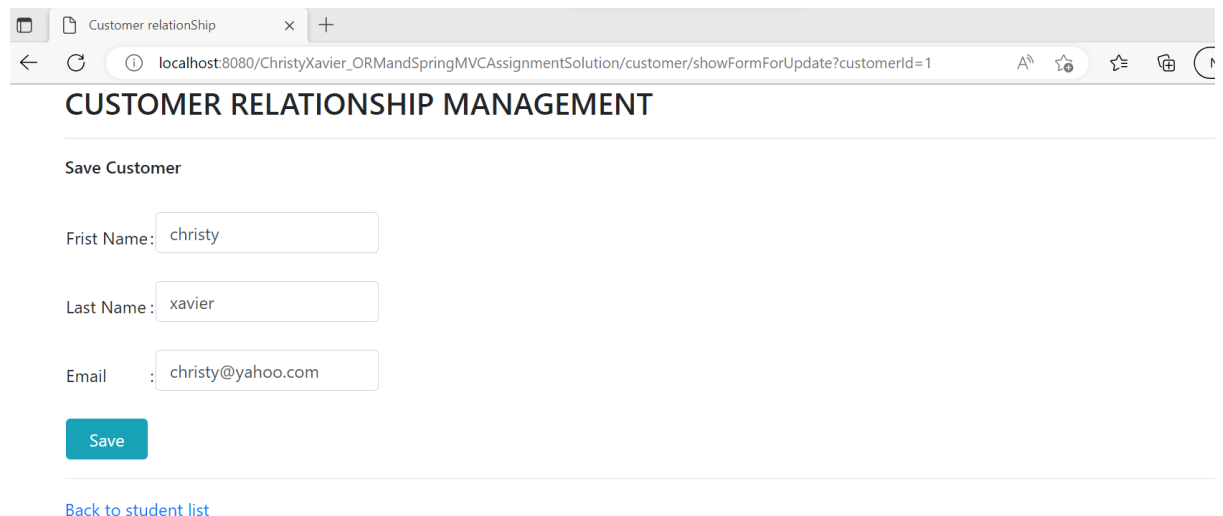


The screenshot shows a web browser window with the title 'Customer Relationship' and the URL 'localhost:8080/ChristyXavier\_ORMandSpringMVCAssignmentSolution/customer/list'. The page displays a table titled 'CUSTOMER RELATIONSHIP MANAGEMENT' with an 'Add Student' button above it. The table has four columns: 'FirstName', 'LastName', 'Email', and 'Action'. A single record is shown with 'christy' as the first name, 'xavier' as the last name, and 'christy@gmail.com' as the email. The 'Action' column contains 'Update' and 'Delete' buttons.

FirstName	LastName	Email	Action
christy	xavier	christy@gmail.com	<a href="#">Update</a> <a href="#">Delete</a>

## 3. Updating the Record.

- a. Upon clicking on update button under the action column, it is taken into page to update the record, where the email domain is changed from '@gmail.com' to '@yahoo.com'.



The screenshot shows a web browser window with the title 'Customer relationship' and the URL 'localhost:8080/ChristyXavier\_ORMandSpringMVCAssignmentSolution/customer/showFormForUpdate?customerId=1'. The page displays a form titled 'CUSTOMER RELATIONSHIP MANAGEMENT' with a 'Save Customer' section. The form contains three input fields: 'Frist Name' (with value 'christy'), 'Last Name' (with value 'xavier'), and 'Email' (with value 'christy@yahoo.com'). A 'Save' button is located below the input fields. At the bottom of the form, there is a link 'Back to student list'.

Save Customer

Frist Name:

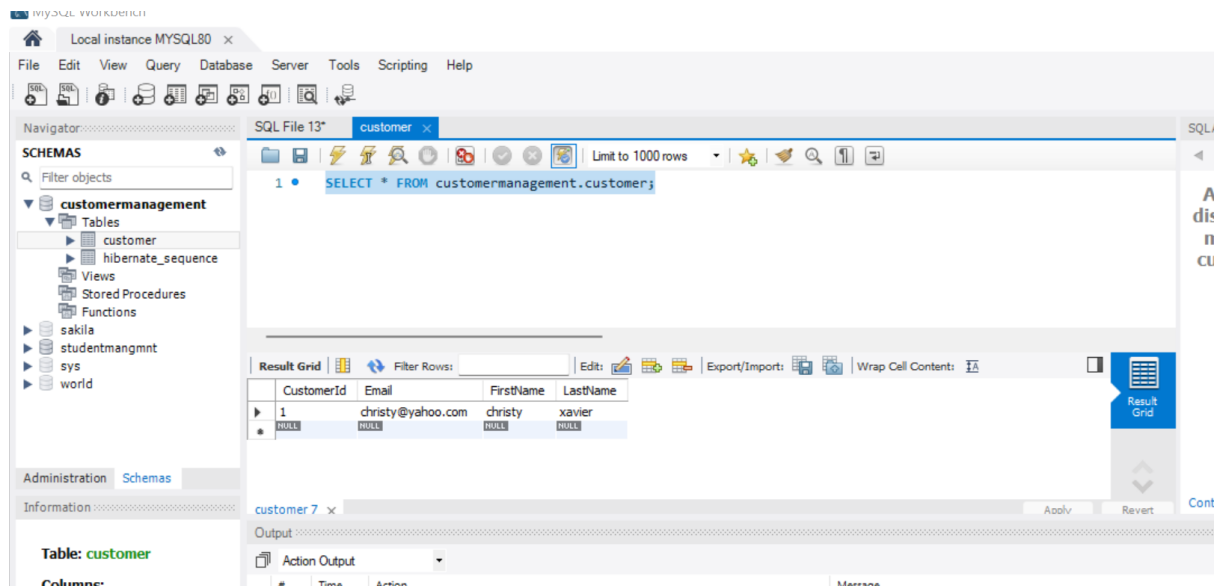
Last Name:

Email:

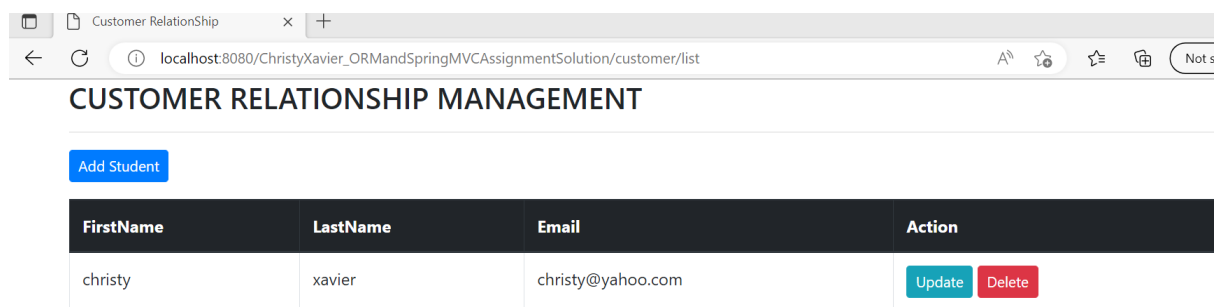
[Save](#)

[Back to student list](#)

- b. Upon clicking on the save button in the above screenshot, the data has been updated in the db and in the main page the updated record is displaying.

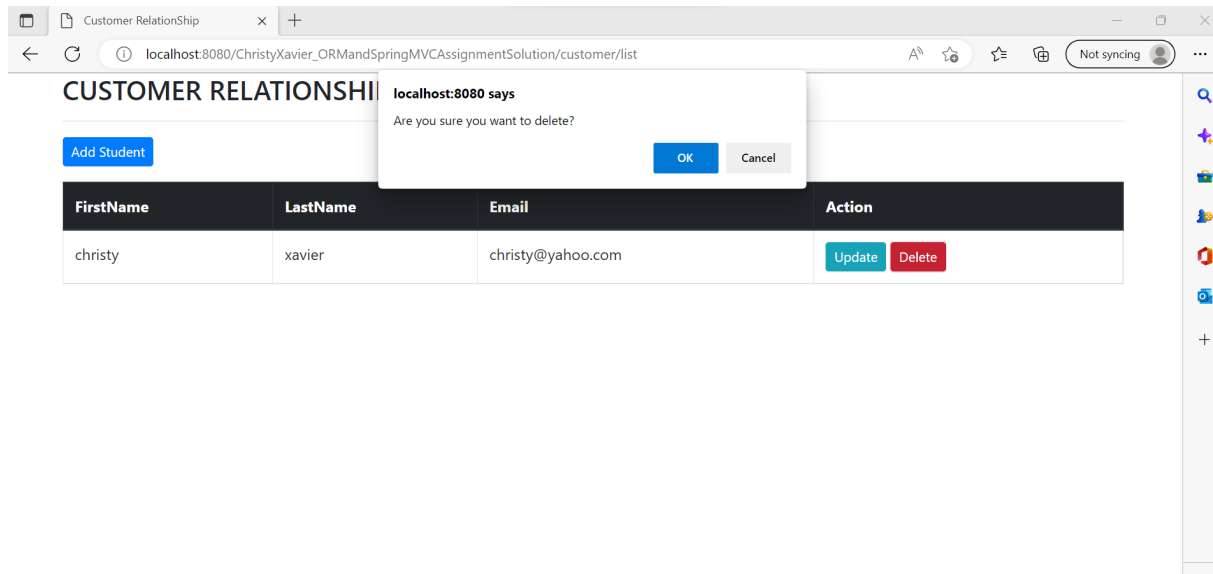


c. Below is the screenshot of the main page after updating the record.

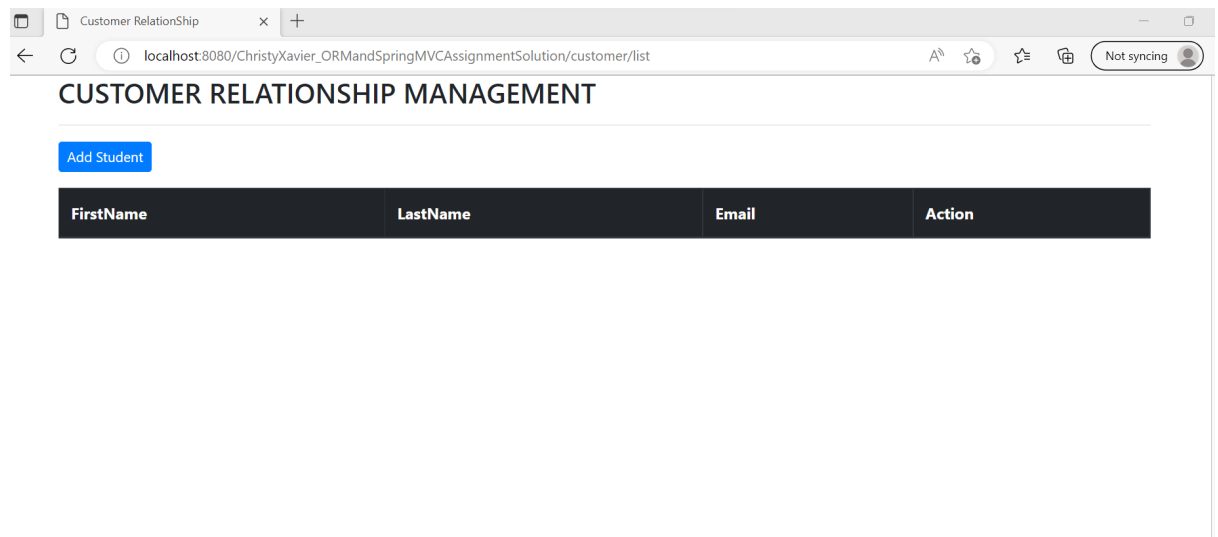


4. Deleting the Record.

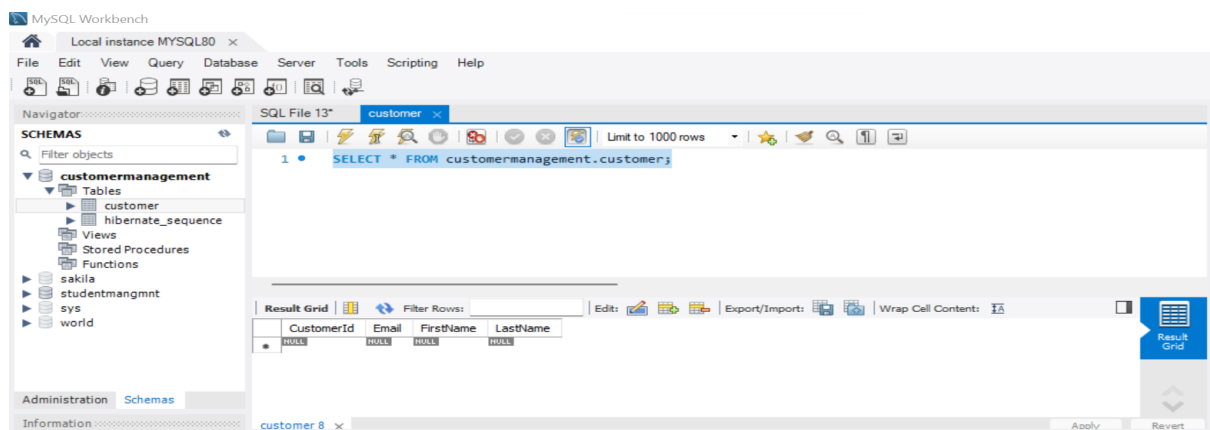
a. Below is the screenshot of the popup message upon clicking the delete button.



- b. On clicking 'OK' on the popup, the record will be deleted from the db and a blank main page can will be displayed as shown below.



- c. Below is the screenshot of the db after deleting the record from the UI.



5. Return to the Main page.

- a. By clicking on the hyperlink ('Back to student list'), it is taken into the main page.  
Below is the screenshot of the same.

The screenshot shows a web browser window with the address bar displaying 'localhost:8080/ChristyXavier\_ORMandSpringMVCAssignmentSolution/customer/showFormForAdd'. The page title is 'CUSTOMER RELATIONSHIP MANAGEMENT'. Below the title, there is a section labeled 'Save Customer'. This section contains three input fields: 'Frist Name:' (with placeholder 'FirstName'), 'Last Name:' (with placeholder 'LastName'), and 'Email:' (with placeholder 'Email'). Below these fields is a blue 'Save' button. At the bottom of the form, there is a yellow hyperlink labeled 'Back to student list'.

- b. Below is the screenshot of the main page after clicking on the hyperlink

The screenshot shows the same web browser window, but the address bar now displays 'localhost:8080/ChristyXavier\_ORMandSpringMVCAssignmentSolution/customer/list'. The page title is 'CUSTOMER RELATIONSHIP MANAGEMENT'. Below the title, there is a blue 'Add Student' button. Below this button is a table with the following structure:

FirstName	LastName	Email	Action
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