

Graded Assignment 5 Solutions

Question:

We are required to create a **Customer Relationship Management** web application, where we will be developing **CRUD** (Create Read Update Delete) functionality.

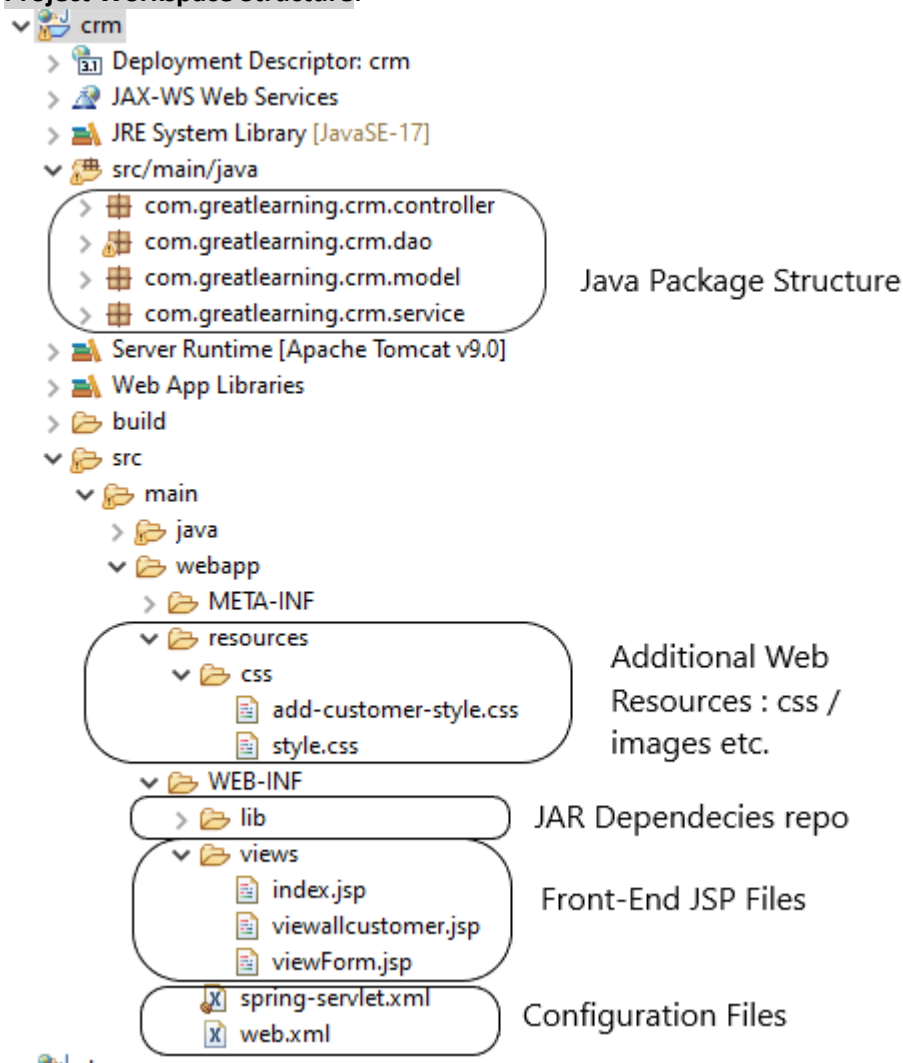
While developing the application →

The main page will display all the customers present in the database.

→ Customers will have following attributes

- a) First Name
- b) Last Name
- c) Email

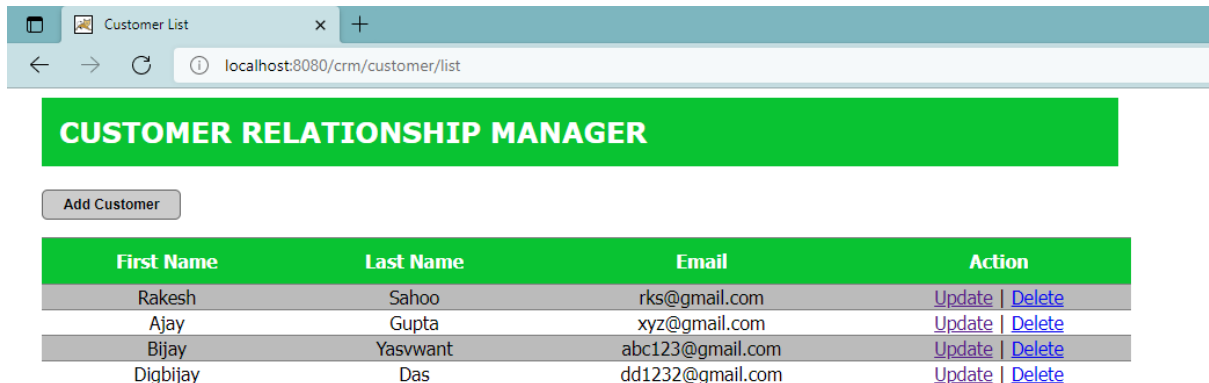
Project Workspace Structure:



Solution:

READ OPERATION

- The below snap is our main page. Where you can see the details of customer as mentioned above.

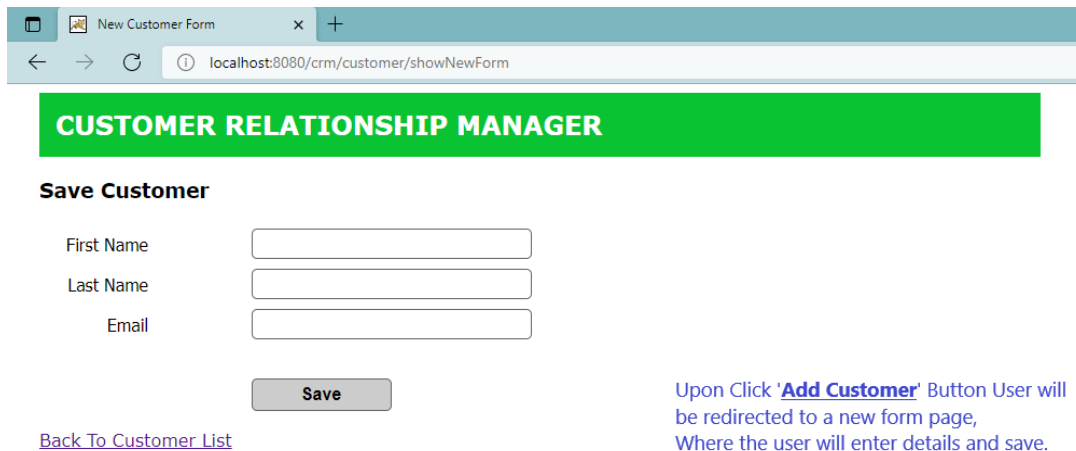


First Name	Last Name	Email	Action
Rakesh	Sahoo	rks@gmail.com	Update Delete
Ajay	Gupta	xyz@gmail.com	Update Delete
Bijay	Yasvwant	abc123@gmail.com	Update Delete
Digbijay	Das	dd1232@gmail.com	Update Delete

Main Page View

CREATE OPERATION

- The below Snap is our new form template, that will open on click the 'Add Customer' Button



Save Customer

First Name

Last Name

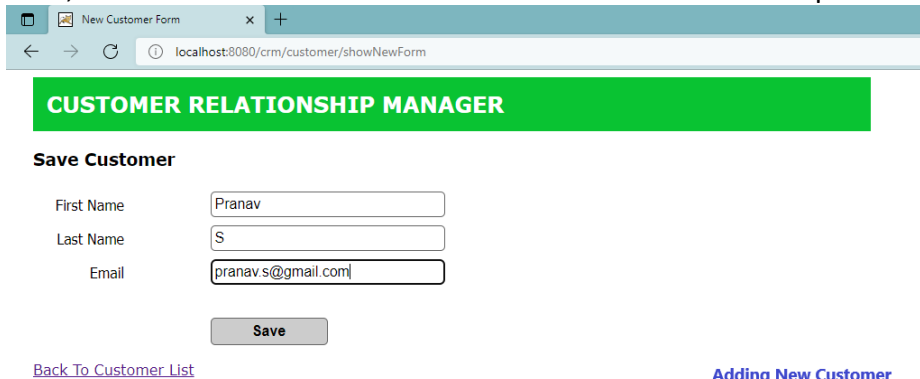
Email

[Back To Customer List](#)

[Save](#)

Upon Click 'Add Customer' Button User will be redirected to a new form page, Where the user will enter details and save.

- Now, we will add a new Customer Details as follows in the snap



Save Customer

First Name

Last Name

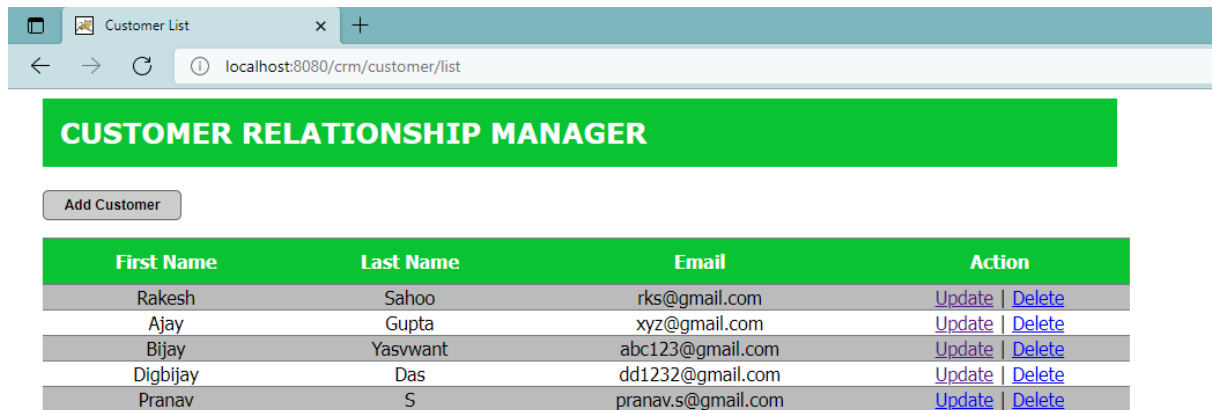
Email

[Back To Customer List](#)

[Save](#)

Adding New Customer 'Pranav'

- On Click the 'Save' button, the page will redirect to the main page with the updated table.



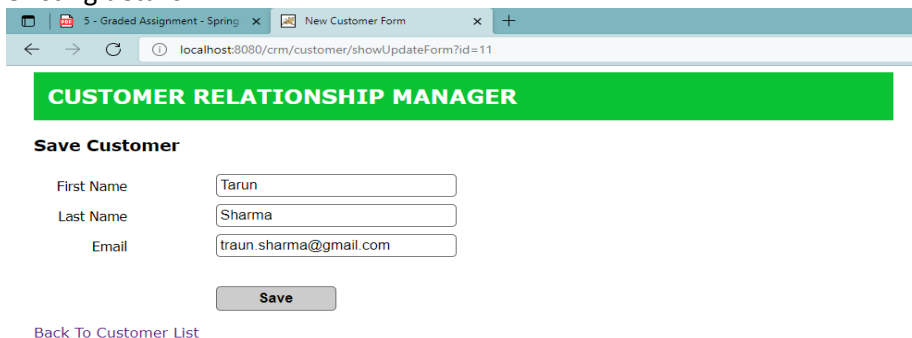
The screenshot shows a web browser window with the URL `localhost:8080/crm/customer/list`. The page has a green header with the text "CUSTOMER RELATIONSHIP MANAGER". Below the header is a button labeled "Add Customer". A table displays a list of customers with columns for First Name, Last Name, Email, and Action. The table contains five rows of data, including a new entry for "Pranav" with email "pranav.s@gmail.com".

First Name	Last Name	Email	Action
Rakesh	Sahoo	rks@gmail.com	Update Delete
Ajay	Gupta	xyz@gmail.com	Update Delete
Bijay	Yasvwant	abc123@gmail.com	Update Delete
Digbijay	Das	dd1232@gmail.com	Update Delete
Pranav	S	pranav.s@gmail.com	Update Delete

On Click the Save button, new customer 'Pranav' added and the page redirect to the initial main page with new customer details

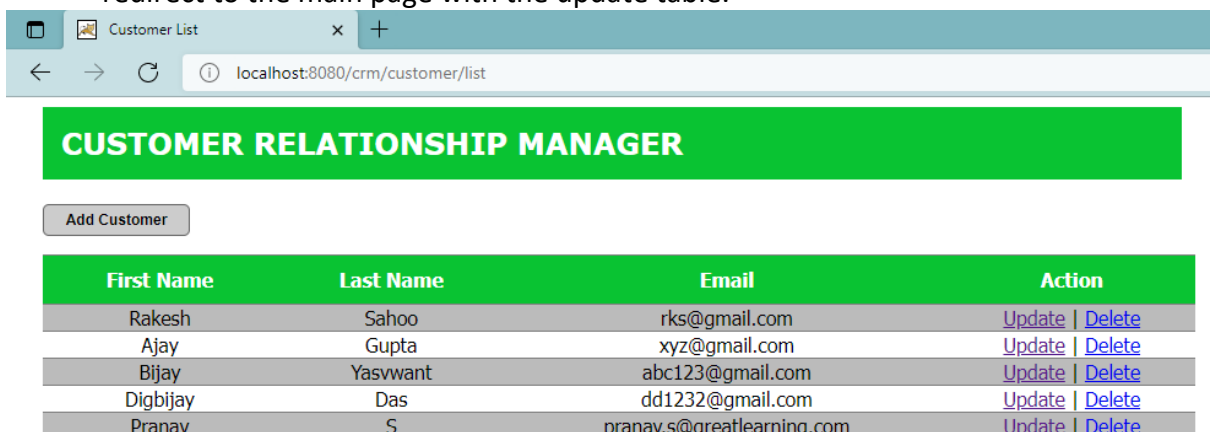
UPDATE OPERATION

- Now we will update the new customer 'Pranav' 's email (from 'pranav.s@gmail.com' to 'pranav.s@greatlearning.com') by clicking the Update link showing in the table in action column. On click Update link the page will redirect to the form page with showing the existing details.



The screenshot shows a web browser window with the URL `localhost:8080/crm/customer/showUpdateForm?id=11`. The page has a green header with the text "CUSTOMER RELATIONSHIP MANAGER". Below the header is a section titled "Save Customer" with input fields for First Name, Last Name, and Email. The fields contain the values "Tarun", "Sharma", and "traun.sharma@gmail.com" respectively. A "Save" button is located below the input fields. A link labeled "Back To Customer List" is also present.

- Here after updating customer details, on click save button the page will redirect to the main page with the update table.

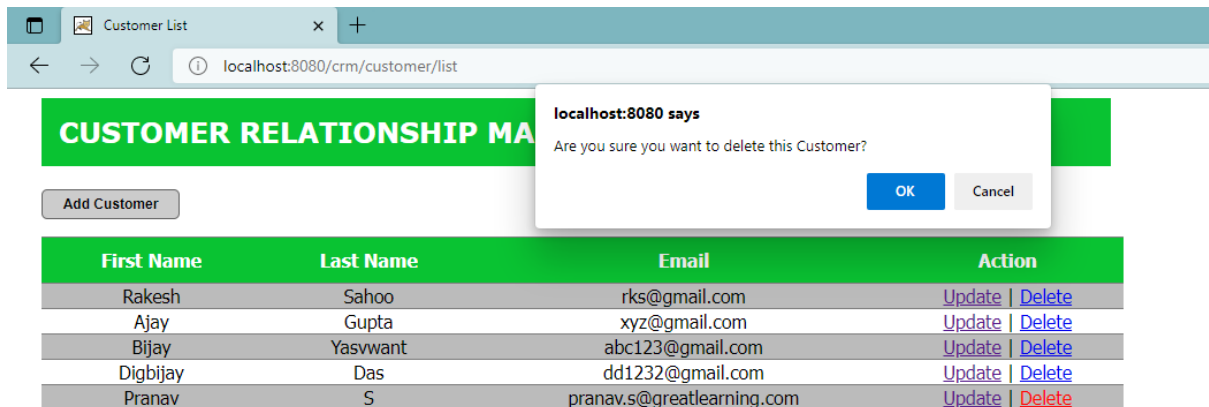


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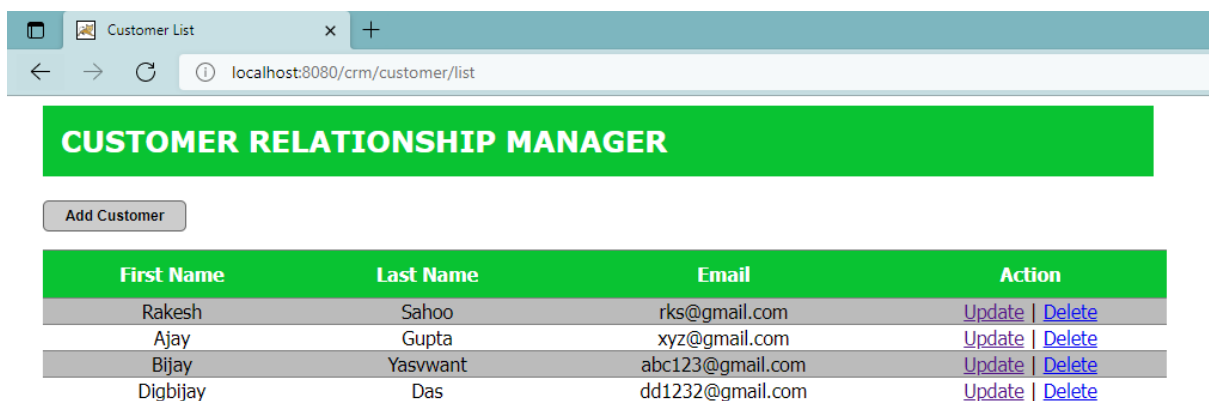
First Name	Last Name	Email	Action
Rakesh	Sahoo	rks@gmail.com	Update Delete
Ajay	Gupta	xyz@gmail.com	Update Delete
Bijay	Yasvwant	abc123@gmail.com	Update Delete
Digbijay	Das	dd1232@gmail.com	Update Delete
Pranav	S	pranav.s@greatlearning.com	Update Delete

DELETE OPERATION

- On click the 'Delete' link a pop up will open and ask for confirmation.



- On Click 'OK', the customer details will delete from DB and the main page will refresh.



Please find the screen recording of this web application -> Google Drive Link:

<https://drive.google.com/drive/folders/1b2KVCzv8w2DOxUOdfE9ptXJuTNU4EbJc?usp=sharing>