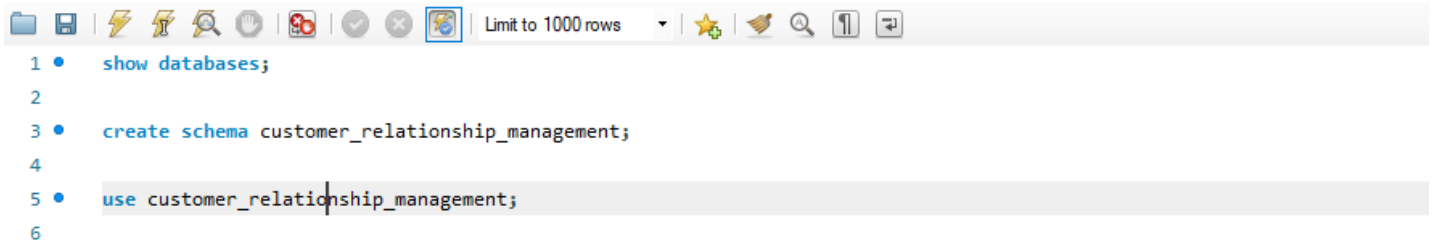


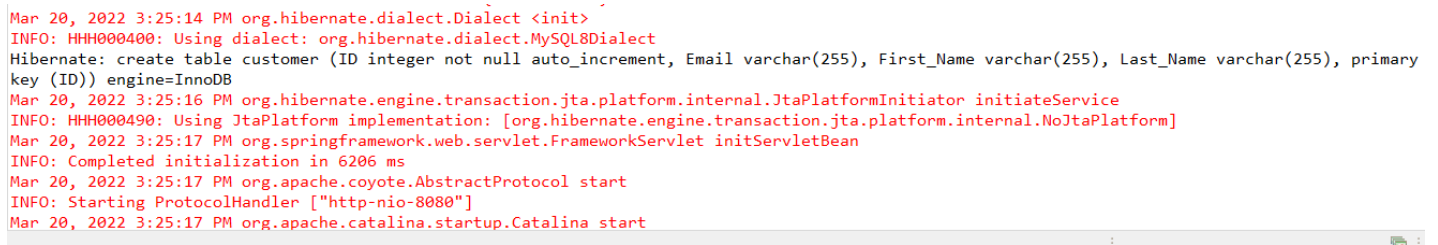
SCREENSHOTS FOR CRUD OPERATIONS PERFORMED

SQL script for creating schema.



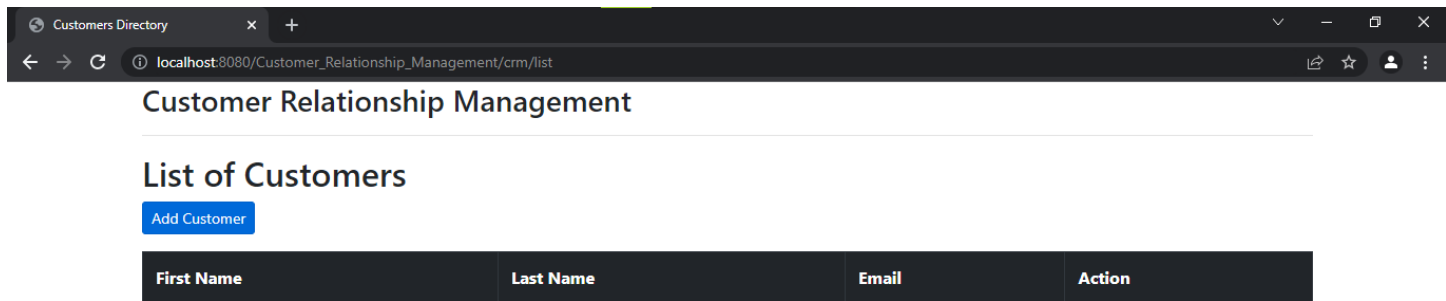
```
1 • show databases;
2
3 • create schema customer_relationship_management;
4
5 • use customer_relationship_management;
6
```

HQL for creating “customer” table



```
Mar 20, 2022 3:25:14 PM org.hibernate.dialect.Dialect <init>
INFO: HHH000400: Using dialect: org.hibernate.dialect.MySQL8Dialect
Hibernate: create table customer (ID integer not null auto_increment, Email varchar(255), First_Name varchar(255), Last_Name varchar(255), primary
key (ID)) engine=InnoDB
Mar 20, 2022 3:25:16 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService
INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
Mar 20, 2022 3:25:17 PM org.springframework.web.servlet.FrameworkServlet initServletBean
INFO: Completed initialization in 6206 ms
Mar 20, 2022 3:25:17 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8080"]
Mar 20, 2022 3:25:17 PM org.apache.catalina.startup.Catalina start
```

Main page before inserting records



Customers Directory

localhost:8080/Customer_Relationship_Management/crm/list

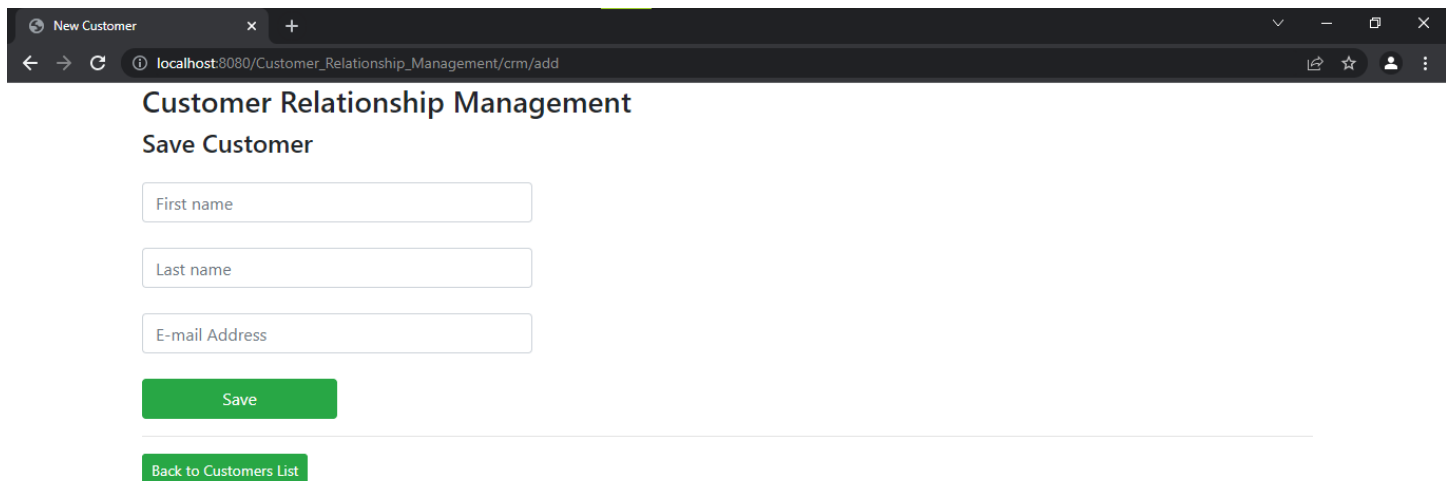
Customer Relationship Management

List of Customers

[Add Customer](#)

First Name	Last Name	Email	Action
------------	-----------	-------	--------

Add Customer page



New Customer

localhost:8080/Customer_Relationship_Management/crm/add

Customer Relationship Management

Save Customer

First name

Last name

E-mail Address

[Save](#)

[Back to Customers List](#)

Main page after inserting records

Customers Directory

localhost:8080/Customer_Relationship_Management/crm/list

Customer Relationship Management

List of Customers

Add Customer

First Name	Last Name	Email	Action
Harshit	Chowdary	Harshit@greatlearning.in	<div>UpdateDelete</div>
Ankit	Garg	Ankit@greatlearning.in	<div>UpdateDelete</div>
Monica	Sharma	Monica@greatlearning.in	<div>UpdateDelete</div>
Bhavya	Shetty	Bhavya@greatlearning.in	<div>UpdateDelete</div>

Update page for updating the record(with pre-populated fields)

New Customer

localhost:8080/Customer_Relationship_Management/crm/update?id=1

Customer Relationship Management

Save Customer

Harshit

Chowdary

Harshit@greatlearning.in

Save

Back to Customers List

Updating the email of the customers with “@gmail.com”

New Customer

localhost:8080/Customer_Relationship_Management/crm/update?id=1

Customer Relationship Management

Save Customer

Harshit

Chowdary

Harshit@gmail.com

Save

Back to Customers List

After Updation of records

Customers Directory

localhost:8080/Customer_Relationship_Management/crm/list

Customer Relationship Management

List of Customers

Add Customer

First Name	Last Name	Email	Action
Harshit	Chowdary	Harshit@gmail.com	<div>UpdateDelete</div>
Ankit	Garg	Ankit@greatlearning.in	<div>UpdateDelete</div>
Monica	Sharma	Monica@gmail.com	<div>UpdateDelete</div>
Bhavya	Shetty	Bhavya@greatlearning.in	<div>UpdateDelete</div>

Popup while deleting the Customer

Customers Directory

localhost:8080/Customer_Relationship_Management/crm/list

Customer Relationship Man

List of Customers

Add Customer

localhost:8080 says
Are you sure you want to delete this Customer?
OKCancel

First Name	Last Name	Email	Action
Harshit	Chowdary	Harshit@gmail.com	<div>UpdateDelete</div>
Ankit	Garg	Ankit@greatlearning.in	<div>UpdateDelete</div>
Monica	Sharma	Monica@gmail.com	<div>UpdateDelete</div>
Bhavya	Shetty	Bhavya@greatlearning.in	<div>UpdateDelete</div>

After Deleting the Customer

Customers Directory

localhost:8080/Customer_Relationship_Management/crm/list

Customer Relationship Management

List of Customers

Add Customer

First Name	Last Name	Email	Action
Harshit	Chowdary	Harshit@gmail.com	<div>UpdateDelete</div>
Ankit	Garg	Ankit@greatlearning.in	<div>UpdateDelete</div>
Monica	Sharma	Monica@gmail.com	<div>UpdateDelete</div>