# REQUIREMENT SPECIFICATION

## PROJECT 1

**Problem Statement:**

In College fest, Students want to take registrations for a Debate event and want to keep track of student details based on the department. Help the students to create a table with the help of Spring, MVC, Hibernate ORM to perform CRUD operations on the table.
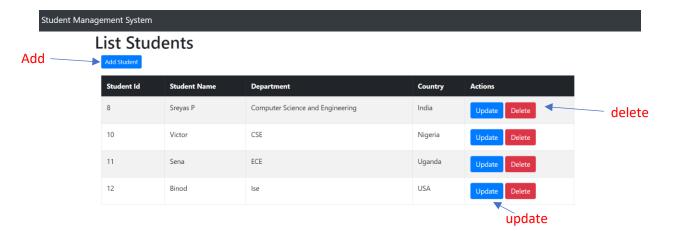
**Sample Table:**

| Student Id | Name | Department | Country |
|---|---|---|---|
| 1 | Suresh | B.Tech | India |
| 2 | Muri | B.Arch | Canada |
| 3 | Daniel | B.Tech | New Zealand |
| 4 | Tanya | B.Com | USA |

Create a Dynamic web project and make sure that the following operations can be performed.

1. Insert new records into the table.
2. Update existing records into the table.
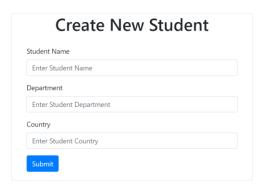3. Delete existing records from the table.
4. Print all records from the table.

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# CRUD OPERATION

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## LISTING STUDENTS (I.E. READ OPERATION)

# ADDING STUDENTS (I.E. CREATE OPERATION)

Student Management System    Student Management

## Create New Student

Student Name

Enter Student Name

Department

Enter Student Department

Country

Enter Student Country

Submit

# UPDATE STUDENTS (I.E. UPDATE OPERATION)

Student Management System    Student Management

## Update Student

Student Name

Sreyas P

Department

Computer Science and Engineering

Country

Haha@g.com

Submit

# DELETE STUDENTS (I.E. DELETE OPERATION)

Student Management System

## List Students

Add Student

| Student Id | Student Name | Department | Country | Actions |
| --- | --- | --- | --- | --- |
| 8 | Sreyas P | Computer Science and Engineering | Haha@g.com | Update Delete |
| 10 | Victor | CSE | V@g.com | Update Delete |

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

Note the following points 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

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# CRUD OPERATION

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## LISTING CUSTOMERS (I.E. READ OPERATION)



## ADDING CUSTOMERS (I.E. CREATE OPERATION)

# UPDATE CUSTOMER (I.E. UPDATE OPERATION)

## Update Customer

Customer First Name

Mr. Aaa

Customer Last Name

bbbxxx

Customer Email

aa@g.com

Submit

# DELETE CUSTOMER (I.E. DELETE OPERATION)

Add Customer

| Customer First Name | Customer Last Name | Customer Email | Actions |
| --- | --- | --- | --- |
| Mr. Aaa | bbb | aa@g.com | Update Delete |
| Mr. Ccc | Ddd | Ddd@g.com | Update Delete |
| Mr Xxx | Yyy | XXX@g.com | Update Delete |