# Project Title

CRUD (Create, Read, Update, delete) using Maven, Hibernate, Spring and MySQL

# Project Design

I decided to make a web application related to CRUD (create, read, update and delete), as I can use both hibernate and spring in this project.

I used MySQL as database and Maven as a build tool for the project. This Application is Employee Management system where you can view or search employee, create new employee, edit or delete existing employee.

# Implementation Details

* Create a EMP\_DB table in MySQL database
* Created a Web Application using MAVEN in NetBeans
* Added all related dependencies in pom.xml file
* Created “application.properties” file under resources folder and defined database and hibernate configuration information in this file
* Configured Spring framework as front controller in “web.xml” so our application becomes a Spring MVC framework
* Created a spring configuration file “spring-servlet.xml” and all required beans are added in this file, (viewResolver, DataSource, SessionFactory, Transaction)
* Created a persistence layer for employee as “Employee.java”
* Created a DAO layer as “EmployeeDAO” and its implementation class “EmployeeDaoImpl”
* Created a Service interface as “EmployeeService” and its implementation class “EmployeeServiceImpl”
* Then created a spring MVC controller class which will have all the method we needed for our CRUD operations
* Then created two .jsp pages to view our web application, one is home.jsp which shows our employee list and second page one is to view a form.
* As I run the project, Apache runs and takes me to the link “localhost:8084/AP\_Project” and I can use the application

# Results

When I build and run the project, it takes me to a localhost link and show me the homepage, I can then edit or delete the employee table or I could add a new employee, which will update the table in my page and my database