## SPRING MVC -WHOLE PRACTICE DOCUMENT

Building Web Applications with Spring MVC –Whole Practice Assignment.

**Problem Statement:**

Create a Spring MVC project and show how to add the dependency BOM to the project. Create a model "Mobile" that contains details of mobile phone like Mobile ID, model, brand, and price.

Write the DAO and Service to get the list of mobiles available. Complete the application by creating a View and controller and display the details of all mobiles available.

Create a customer registration page and corresponding controller methods in the Mobile Store Application. Implement Customer Service method that invokes the corresponding DAO method to register the customer. Complete the registration process by implementing DAO methods and use Spring MVC Forms and Include the validation process using JSR 303 specifications.

Create a Category class to relate each mobile to a particular category and modify the new mobile page to choose a category from the drop-down list. Implement at least THREE themes with different background colours in the mobile application. Implement Internationalization that uses French to display the mobile details page. Modify the home page to display all the available categories and also It has to display all mobiles of a particular category when the user clicked on a category link.

Create a Search page to display all mobiles of selected categories. Create a custom validator during search mobile such a way that the category should not be empty and the mobile name must be at least 4 characters entered. Implement the login facility to the Mobile Store Application and use the session to Greet the customer with his name.

Create a Cart feature to choose products and add to the cart feature. Implement the View Cart and Place Order functionality and complete the application. Display the list of the mobile using FTL. Modify the home page using header, footer, etc., with Apache Tiles. Use Xml view resolver and Json view resolver to print the list of the mobile in any of these formats.

Create a rest controller that contains an API method to list all categories of mobiles and test the service with POSTMAN client. Create rest API methods to perform all CRUD operations on mobile class. Include Exception handling in the previous rest API methods.