

# Hibernate Demo Project

## Minimarket Servlet/JSP App

# Introduction

This hibernate-project is a web app shopping management system that allow us to add new Items, show list of items, and when one selected from the list it displays the detail and edit item's info, delete the item and also shows the relationship between the database. The project mostly done using Hibernate and Servlet also include JSP (Java Server Page) and JDBC (Java Database Connectivity) for Database.

## Development Tools and System Requirements

### Development Environment

The development environment used to develop the mini system are: -

- **Eclipse IDE** as an editor also can use NetBeans and others.
- **Apache Tomcat** as a Web Server to render web pages.
- **MySQL Workbench** as sql database management.

### Programming Language

- Hibernate
- Java Servlet
- Java
- **SQL**
- **JSP**
- **HTML and CSS**

### System Requirement

- ❖ Operating System (Any)
- ❖ Web Browser (Any)
- ❖ Java IDE, Web Server, MySQL

## Features of the project

- Create an Account & Sing In
- Add item.
- Display List of items.

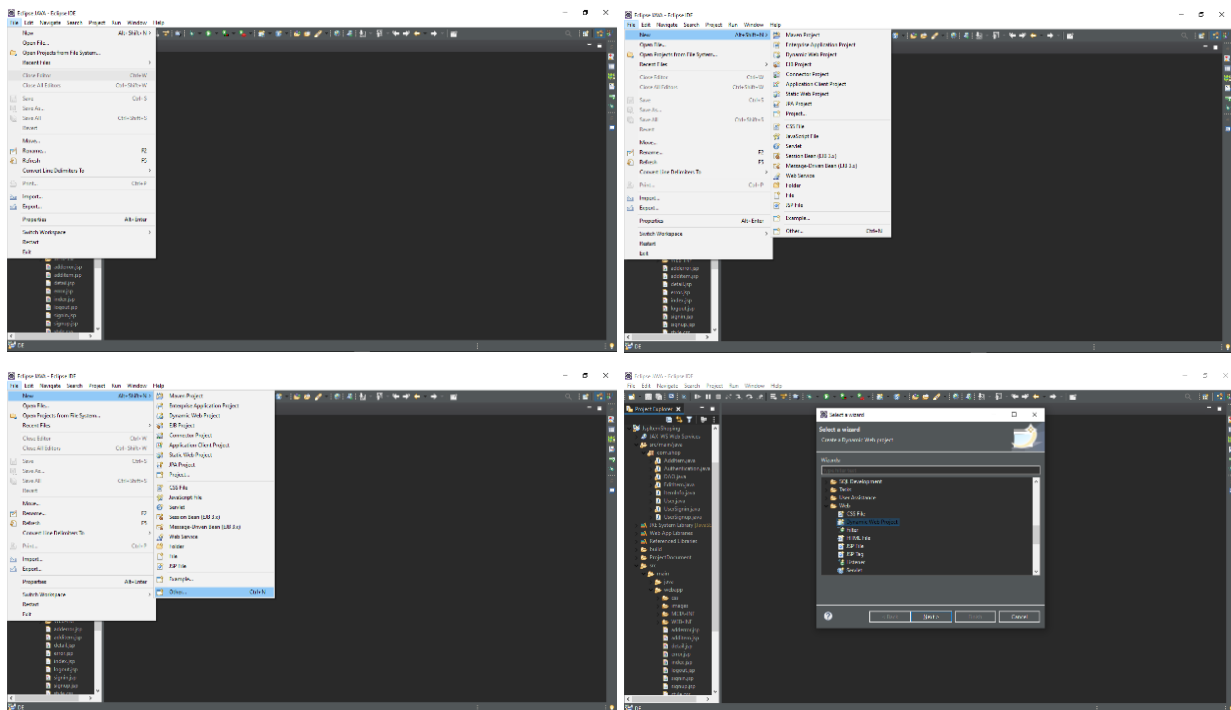
- Edit item's info.
- Delete item
- Show Relationship among database

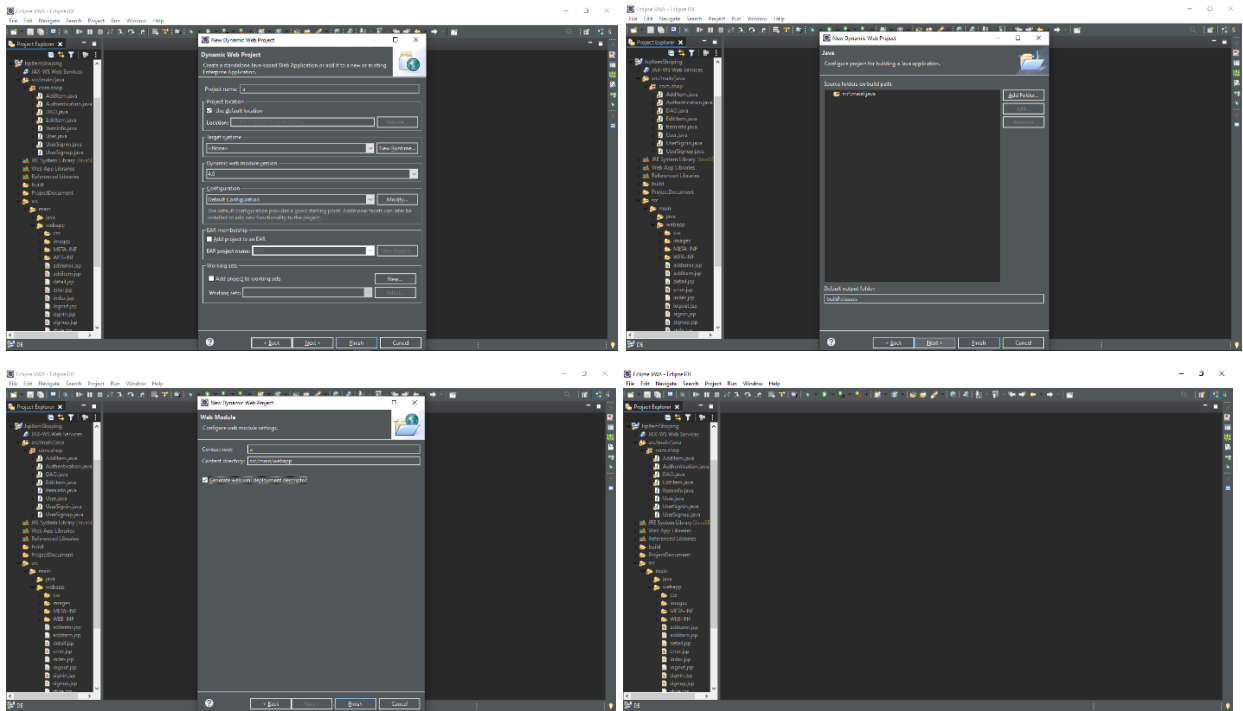
# Starting with the Project

## Steps For Creating the Project Demo

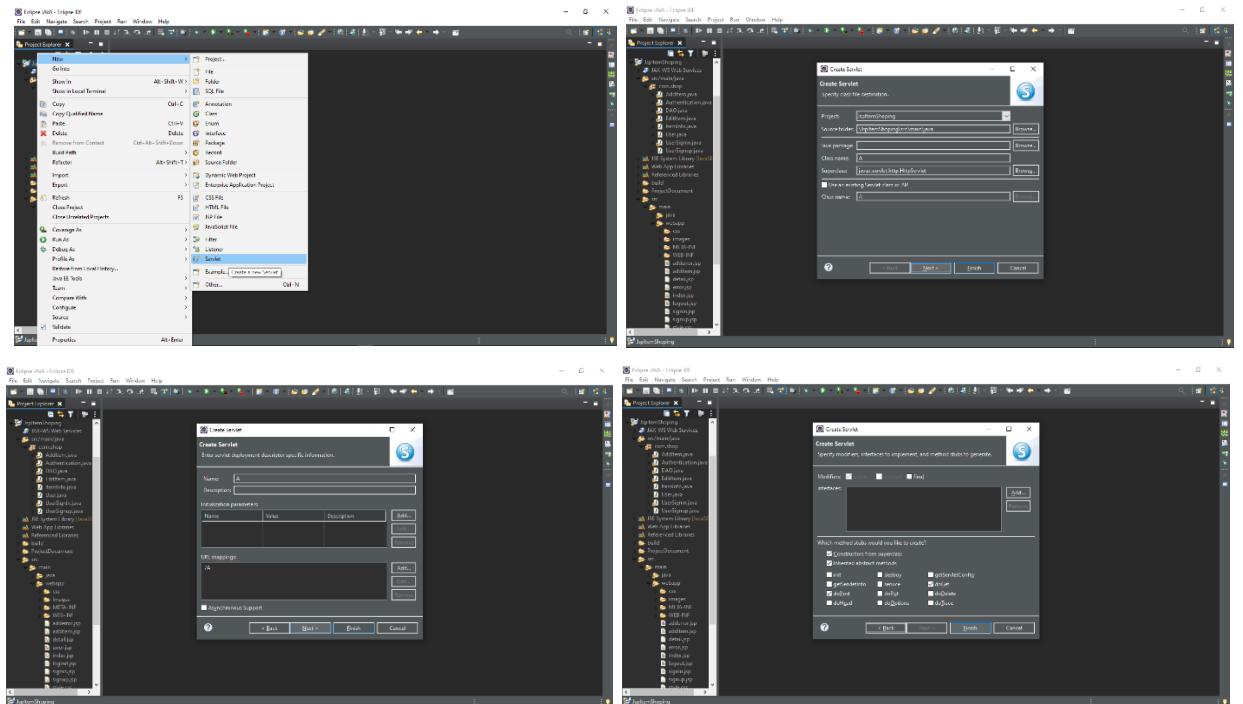
### 1. Step 1: Open Eclipse IDE and Create Dynamic Web Project, Servlet and JAVA.

- To Create Dynamic Web Project

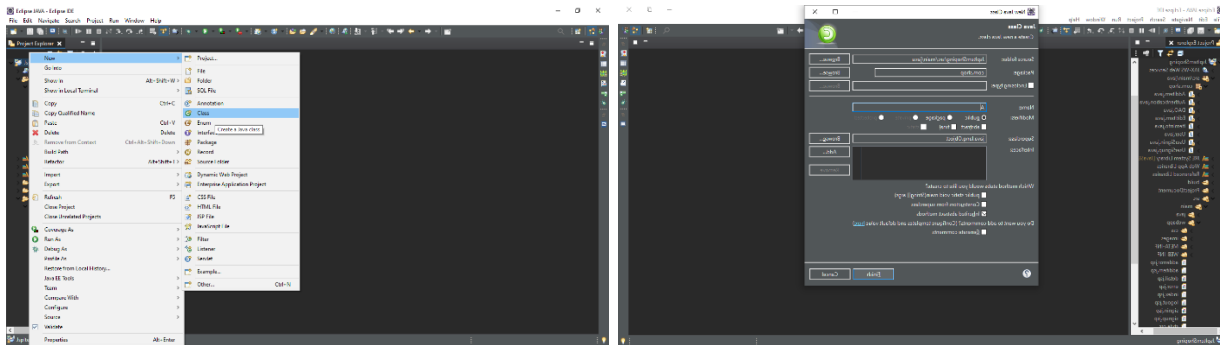




- To Create Servlet

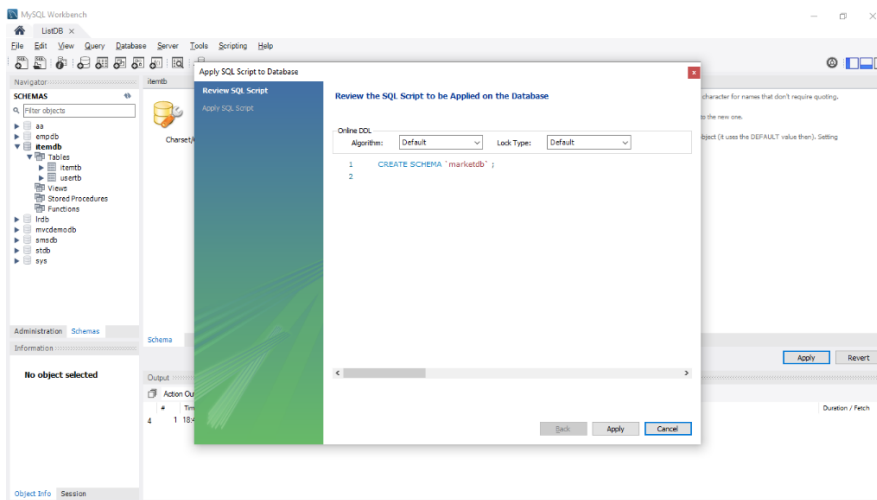


- To Create JAVA Class

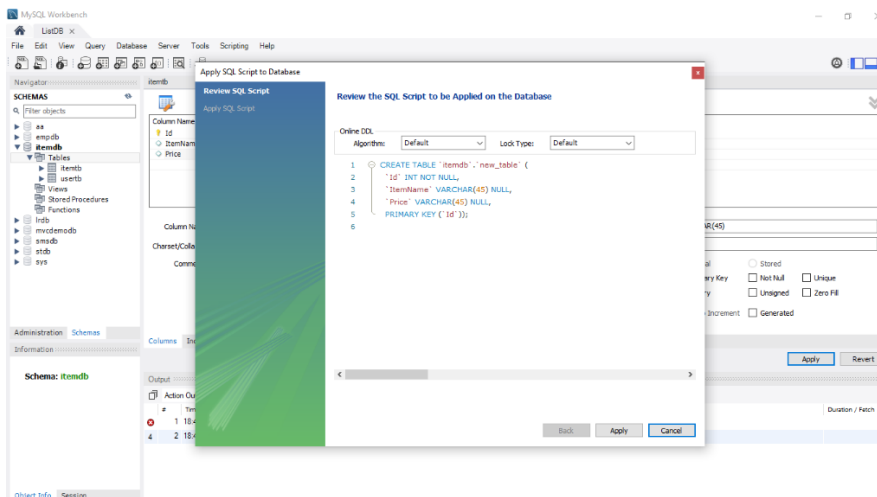


## 2. Step 2: Create Database

- Database Schema



- Create Table

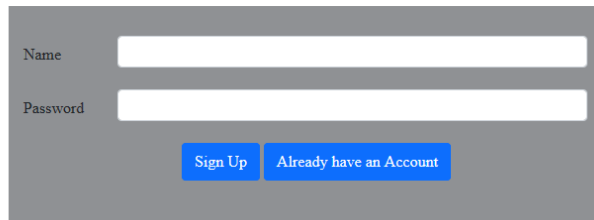


### 3. Hibernate Configuration

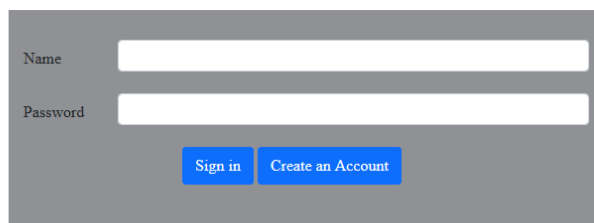
```
1 <?xml version = "1.0" encoding = "utf-8"?>
2 <!DOCTYPE hibernate-configuration SYSTEM
3 "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
4 <hibernate-configuration>
5   <session-factory>
6
7     <property name="hibernate.connection.driver_class">com.mysql.jdbc.Driver</property>
8     <property name="hibernate.connection.url">jdbc:mysql://localhost:3306/shopdb?useSSL=false</property>
9     <property name="hibernate.connection.username">root</property>
10    <property name="hibernate.connection.password">3465</property>
11    <property name="show_sql">true</property>
12    <property name="hbm2ddl.auto">update</property>
13
14    <!-- List of XML mapping files -->
15    <mapping class="com.hibernate.User" />
16    <mapping class="com.hibernate.ItemInfo" />
17    <mapping class="com.hibernate.ElectronicsType" />
18    <mapping class="com.hibernate.UserAddress" />
19
20  </session-factory>
21 </hibernate-configuration>
```

# Project Demo UI (Mobile Listing)

- User Sign up and Sign in Page



A user sign up form with a gray background. It features two white input fields: the top one is labeled "Name" and the bottom one is labeled "Password". Below the fields are two blue buttons: "Sign Up" on the left and "Already have an Account" on the right.




A user sign in form with a gray background. It features two white input fields: the top one is labeled "Name" and the bottom one is labeled "Password". Below the fields are two blue buttons: "Sign in" on the left and "Create an Account" on the right.

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- Demo Web Home Page


Mobile Shopping
Home
Electronics
My Listing
Sign Out

Search
Search
+ Add Items




Posted Date : 2021-07-16  
Model : LG10  
Price :13500.0

Details
Edit




Posted Date : 2021/07/15  
Model : HP21  
Price :21000.0

Details
Edit



Posted Date : 2021/07/15  
Model : D3200  
Price :24500.0



Posted Date : 2021/07/15  
Model : Cannon  
Price :27000.0

- Add Item Page

Add Items

Back to List

Electronics Type
-- Select Item Type --

Address

Model Name

Brand
-- Select Brand --

Condition
☐ New ☐ Used

Price

Quantity

Upload Image
Choose File No file chosen

Post Date
mm/dd/yyyy

Description

Add Item



- Item' Detail Information Page

[Back to List](#)


## Item's Detail Information

	<p>Posted Date : 2021-07-12 Model : Xs Brand : Apple Condition : Used Price : 20000 Quantity : 2 Description : Dual Sim</p>
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- Edit Item's Information Page

## Edit Item's Detail Information

[Back to List](#)

 <p>Change Image : <input type="text"/> <a href="#">Browse...</a></p>	<p>Model <input type="text" value="A10"/></p> <p>Brand <input type="text" value="Samsung"/></p> <p>Condition <input type="text" value="New"/></p> <p>Item Price <input type="text" value="6500"/></p> <p>Item Quantity <input type="text" value="5"/></p> <p>Posted On <input type="text" value="2021-12-12"/></p> <p>Description <input type="text" value="Unlocked"/></p> <p><a href="#">Update</a> <a href="#">Delete</a></p>
--	--

- Relationship View

## One to Many (Item with Electronics Type)

Mobile Shopping

[Home](#)
[Electronics](#)
[My Listing](#)

[Sign Out](#)

[Phone](#)
[Computer](#)
[Camera](#)
[TV & Others](#)

Posted Date :  
2021-07-15  
Model : Mac  
Price :200000.0

[Details](#)
[Edit](#)

Computer

Posted Date :  
2021/07/15  
Model : HP21  
Price :21000.0

[Details](#)
[Edit](#)

Computer

## One to One (User with Address) and Many to Many (User with Item)

Mobile Shopping

[Home](#)
[Electronics](#)
[My Listing](#)

[Sign Out](#)

Address : Hawassa  
Posted Date : 2021/07/15  
Model : D3200  
Price :24500.0

[Details](#)
[Edit](#)

Address : Hawassa  
Posted Date : 2021/07/15  
Model : HP21  
Price :21000.0

[Details](#)
[Edit](#)

Address : Hawassa  
Posted Date : 2021-07-15  
Model : S10  
Price :21000.0

[Details](#)

Address : Hawassa  
Posted Date : 2021-07-15  
Model : Mate10  
Price :100000.0

[Details](#)