

Sporty Shoe (Spring Boot Project)

Source code

SportyShoesApplication.java

```
package com.example.demo;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication
public class SportyShoesApplication {

    public static void main(String[] args) {
        SpringApplication.run(SportyShoesApplication.class, args);
    }
}
```

ShoesController.java

```
package com.example.demo.Controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.ModelAttribute;
import org.springframework.web.bind.annotation.PathVariable;
import org.springframework.web.bind.annotation.PostMapping;

import com.example.demo.Entity.ShoeEntity;
import com.example.demo.Service.ShoeService;
import jakarta.servlet.http.HttpSession;

@Controller
public class ShoesController {

    @Autowired
    private ShoeService shoeService;

    @GetMapping("/")
    public String homepage() {
        return "home";
    }

    @GetMapping("/showlist")
    public String indexform(org.springframework.ui.Model model) {

        List<ShoeEntity> shoeEntity = shoeService.getAllShoes();
        model.addAttribute("shoeEntityList", shoeEntity);
        return "index";
    }

    @GetMapping("/addshoes")
    public String addshoesForm() {
        return "addshoes";
    }

    @PostMapping("/register")
    public String shoeRegister(@ModelAttribute ShoeEntity shoeEntity, HttpSession session) {
        System.out.println(shoeEntity);
        shoeService.addShoe(shoeEntity);
        session.setAttribute("msg", "Shoes Added Successfully..!");
        return "redirect:/showlist";
    }
}
```

```

@GetMapping("/EditShoeDetail/{srno}")
public String ShoeDetailEdit(@PathVariable int srno, Model model) {
    ShoeEntity shoeEntity = shoeService.getShoeDetailByID(srno);
    model.addAttribute("shoeEntityDetail", shoeEntity);
    return "EditShoeDetail";
}

@PostMapping("/update")
public String updateShoe(@ModelAttribute ShoeEntity shoeEntity, HttpSession session) {
    shoeService.addShoe(shoeEntity);
    session.setAttribute("msg", "Updated Successfully");
    return "redirect:/showlist";
}

@GetMapping("/DeleteShoeDetail/{srno}")
public String DeleteShoeDetail(@PathVariable int srno) {
    shoeService.deleteShoeByID(srno);
    return "redirect:/showlist";
}
}

```

ShoeEntity.java

```

package com.example.demo.Entity;

import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.Table;

@Entity
@Table(name = "Shoe_System")
public class ShoeEntity {
    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    private int srno;
    private String shoeid;
    private String brand;
    private String category;
    private String price;
    private String description;

    public ShoeEntity() {
        super();
        // TODO Auto-generated constructor stub
    }

    public int getSrno() {
        return srno;
    }

    public void setSrno(int srno) {
        this.srno = srno;
    }

    public String getShoeid() {
        return shoeid;
    }

    public void setShoeid(String shoeid) {
        this.shoeid = shoeid;
    }

    public String getBrand() {
        return brand;
    }
}

```

```

    public void setBrand(String brand) {
        this.brand = brand;
    }

    public String getCategory() {
        return category;
    }

    public void setCategory(String category) {
        this.category = category;
    }

    public String getPrice() {
        return price;
    }

    public void setPrice(String price) {
        this.price = price;
    }

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    @Override
    public String toString() {
        return "ShoeEntity [srno=" + srno + ", shoeid=" + shoeid + ", brand=" + brand + ", category=" + category
            + ", price=" + price + ", description=" + description + "]\n";
    }
}

```

ShoeRepo.java

```

package com.example.demo.Repository;

import org.springframework.data.jpa.repository.JpaRepository;
import org.springframework.stereotype.Repository;

import com.example.demo.Entity.ShoeEntity;

@Repository
public interface ShoeRepo extends JpaRepository<ShoeEntity, Integer> {

}

```

ShoeService.java

```

package com.example.demo.Service;

import java.util.List;
import java.util.Optional;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Service;
import org.springframework.ui.Model;

import com.example.demo.Entity.ShoeEntity;
import com.example.demo.Repository.ShoeRepo;

@Service
public class ShoeService {

    @Autowired
    private ShoeRepo shoeRepo;

    public void addShoe(ShoeEntity shoeEntity) {

```

```
        shoeRepo.save(shoeEntity);
    }
    public List<ShoeEntity> getallShoes() {
        return shoeRepo.findAll();
    }
    public ShoeEntity getShoeDetailByID(int srno) {
        Optional<ShoeEntity> optionalshoeEntity=shoeRepo.findById(srno);
        if(optionalshoeEntity.isPresent()) {
            return optionalshoeEntity.get();
        }
        return null;
    }
    public void deleteShoeByID(int srno) {
        shoeRepo.deleteById(srno);
    }
}
```

Application.property

```
spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
spring.datasource.url=jdbc:mysql://localhost:3306/shoeDatabase
spring.datasource.username=root
spring.datasource.password=root
spring.jpa.hibernate.ddl-auto=update
spring.jpa.show-sql=true
server.port=8081
```

pom.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>3.0.6</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.example</groupId>
    <artifactId>SpringbootExample</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <name>Sporty_Shoes</name>
    <description>Demo project for Spring Boot</description>
    <properties>
        <java.version>17</java.version>
    </properties>
    <dependencies>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-data-jpa</artifactId>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-thymeleaf</artifactId>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-web</artifactId>
        </dependency>

        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-devtools</artifactId>
            <scope>runtime</scope>
            <optional>true</optional>
        </dependency>
        <dependency>
            <groupId>com.mysql</groupId>
            <artifactId>mysql-connector-j</artifactId>
            <scope>runtime</scope>
        </dependency>
        <dependency>
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-test</artifactId>
            <scope>test</scope>
        </dependency>
    </dependencies>

    <build>
        <plugins>
            <plugin>
                <groupId>org.springframework.boot</groupId>
                <artifactId>spring-boot-maven-plugin</artifactId>
            </plugin>
        </plugins>
    </build>

</project>
```

Home.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport"
      content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
      integrity="sha384-Gn5384xqQ1aowXA+058RXPxPg6fy4IWvTNh0E263XmFcJLSAwiGgFAW/dAiS6JXm"
      crossorigin="anonymous">

<title>Shoes Home Page</title>
</head>
<body>
  <!-- navbar -->
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#">Sporty Shoes Zone</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
      data-target="#navbarSupportedContent"
      aria-controls="navbarSupportedContent" aria-expanded="false"
      aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active"><a class="nav-link" href="/">Home
          <span class="sr-only">(current)</span>
        </a></li>
        <li class="nav-item active"><a class="nav-link"
          href="/addshoes">Add Shoes</a></li>
        <li class="nav-item active"><a class="nav-link"
          href="/showlist">Show List</a></li>
      </ul>

    </div>
  </nav>
  <style>
body {
  max-width: 100%;
  height: auto;
  background-image:
    url("https://cdn-magento2-media.head.com/wysiwyg/01_Graphics_FootwearLandingPageGIF.gif");
  background-size: cover;
  background-repeat: no-repeat;
}

img {
  max-width: 100%;
  height: auto;
}

.header {
  padding: 10px;
  text-align: center;
  background: #1abc9c;
  color: white;
  font-size: 30px;
}
</style>

  <div class="header">
    <h1>Welcome to the Sporty Shoes Zone</h1>
    <h2 style="text-align: right;">Developed by Shashi Bhushan</h2>
  </div>

  <!-- Optional JavaScript -->
  <!-- jQuery first, then Popper.js, then Bootstrap JS -->
  <script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
    integrity="sha384-KJ3o2DKtIkvYIK3UEENzmM7KChRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
    crossorigin="anonymous"></script>
  <script
```

```

        src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
        integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
        crossorigin="anonymous"></script>
<script
  src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
  integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYL"
  crossorigin="anonymous"></script>
</body>
</html>

```

addshoe.html

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport"
  content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
  href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
  integrity="sha384-Gn5384xqQ1aowXA+058RXPxPg6fy4IWvTNh0E263XmFcJLSAwiGgFAW/dAiS6JXm"
  crossorigin="anonymous">

<title>Shoes Home Page</title>
</head>
<body>
  <!-- navbar -->
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#">Sporty Shoe Zone</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
      data-target="#navbarSupportedContent"
      aria-controls="navbarSupportedContent" aria-expanded="false"
      aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active"><a class="nav-link" href="/">Home
          <span class="sr-only">(current)</span>
        </a></li>
        <li class="nav-item active"><a class="nav-link"
          href="/addshoes">Add Shoes</a></li>
        <li class="nav-item active"><a class="nav-link"
          href="/showlist">Show List</a></li>
      </ul>

    </div>
  </nav>

  <!-- navbar -->

  <!-- background Image -->
  <style>
body {
  max-width: 100%;
  height: auto;
  background-image:
    url("https://thumbs.dreamstime.com/b/men-s-summer-suede-blue-sneakers-white-soles-sports-shoes-sport-
style-isolated-background-181568539.jpg");
  background-size: cover;
  background-repeat: no-repeat;
  backdrop-filter: blur(5px);
}
</style>
  <!-- background Image -->

  <!-- form -->
  <form class="container p-3" th:action="@{/register}" method="post" th:object="${ShoeEntity}">
    <div class="container p-5 card">
      <h3>Add Shoe Detail</h3>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="shoeid">Shoe ID</label> <input type="text"

```



```

        class="form-control" name="shoeid" placeholder="Shoe ID">
    </div>
</div>
<div class="form-row">
    <div class="form-group col-md-6">
        <label for="brand">Shoe Brand</label> <input type="text"
            class="form-control" name="brand" placeholder="Shoe Name">
    </div>
</div>
<div class="form-row">
    <div class="form-group col-md-6">
        <label for="category">Shoe Category</label> <input type="text"
            class="form-control" name="category" placeholder="Shoe Category">
    </div>
</div>
<div class="form-row">
    <div class="form-group col-md-6">
        <label for="price">Shoe price</label> <input type="text"
            class="form-control" name="price" placeholder="Shoe Price">
    </div>
</div>

<div class="form-group">
    <label for="description">Shoes Description</label>
    <textarea class="form-control" name="description"
        placeholder="Description" rows="3"></textarea>
</div>
<button type="submit" class="btn btn-primary">Submit</button>
</div>
</form>

<!-- form -->

</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
    integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KChRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
    crossorigin="anonymous"></script>
<script
    src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
    integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
    crossorigin="anonymous"></script>
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
    integrity="sha384-JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYL"
    crossorigin="anonymous"></script>
</body>
</html>

```


EditShoeDetail.html

```
<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.com">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport"
      content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
      integrity="sha384-Gn5384xqQ1aowXA+058RXPxPg6fy4IWvTNh0E263XmFcJLSAwiGgFAW/dAiS6JXm"
      crossorigin="anonymous">

<title>Shoes Home Page</title>
</head>
<body>
  <!-- navbar -->
  <nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#">Sporty Shoes Zone</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
            data-target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent" aria-expanded="false"
            aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav mr-auto">
        <li class="nav-item active"><a class="nav-link" href="#">Home
          <span class="sr-only">(current)</span>
        </a></li>
        <li class="nav-item active"><a class="nav-link"
          href="/addshoes">Add Shoes</a></li>
        <li class="nav-item active"><a class="nav-link"
          href="/showlist">Show List</a></li>
      </ul>
    </div>
  </nav>

  <!-- navbar -->

  <!-- form -->

  <form class="container p-3" th:action="@{/update}" method="post" th:object="${shoeEntityDetail}">
    <input type="hidden" th:value="${shoeEntityDetail.srno}" name="srno">
    <div class="container p-5 card">
      <h3>Edit Shoe Detail</h3>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="shoeid">Shoe ID</label> <input type="text"
            class="form-control" name="shoeid" placeholder="Shoe ID"
th:value="${shoeEntityDetail.shoeid}">
        </div>
      </div>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="brand">Shoe Brand</label> <input type="text"
            class="form-control" name="brand" placeholder="Shoe Name"
th:value="${shoeEntityDetail.brand}">
        </div>
      </div>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="category">Shoe Category</label> <input type="text"
            class="form-control" name="category" placeholder="Shoe Category"
th:value="${shoeEntityDetail.category}">
        </div>
      </div>
      <div class="form-row">
        <div class="form-group col-md-6">
          <label for="price">Shoe price</label> <input type="text"
            class="form-control" name="price" placeholder="Shoe Price"
th:value="${shoeEntityDetail.price}">
        </div>
      </div>
    </div>
  </form>
```

```

        <div class="form-group">
            <label for="description">Shoes Description</label>
            <textarea class="form-control" name="description"
                placeholder="Description" rows="3" th:value="${shoeEntityDetail.description}"></textarea>
        </div>
        <button type="submit" class="btn btn-primary">Submit</button>
    </div>
</form>

<!-- form -->

</div>
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
    integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KChRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
    crossorigin="anonymous"></script>
<script
    src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
    integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
    crossorigin="anonymous"></script>
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
    integrity="sha384-JZR6Spejh4U02d8j0t6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYL"
    crossorigin="anonymous"></script>
</body>
</html>

```

index.html

```

<!doctype html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport"
    content="width=device-width, initial-scale=1, shrink-to-fit=no">

<!-- Bootstrap CSS -->
<link rel="stylesheet"
    href="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/css/bootstrap.min.css"
    integrity="sha384-Gn5384xqQ1aowXA+058RXPxPg6fy4IWvTNh0E263XmFcJLSAwiGgFAW/dAiS6JXm"
    crossorigin="anonymous">

<title>Shoes Home Page</title>
</head>
<body>
    <!-- navbar -->
    <nav class="navbar navbar-expand-lg navbar-light bg-light">
        <a class="navbar-brand" href="#">Sporty Shoes Zone</a>
        <button class="navbar-toggler" type="button" data-toggle="collapse"
            data-target="#navbarSupportedContent"
            aria-controls="navbarSupportedContent" aria-expanded="false"
            aria-label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>

        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav mr-auto">
                <li class="nav-item active"><a class="nav-link" href="/">Home
                    <span class="sr-only">(current)</span>
                </a></li>
                <li class="nav-item active"><a class="nav-link"
                    href="/addshoes">Add Shoes</a></li>
                <li class="nav-item active"><a class="nav-link"
                    href="/showlist">Show List</a></li>
            </ul>

        </div>
    </nav>
    <!-- nav bar -->

    <!-- alert message -->

    <div th:if=${session.msg}>
        <div class="alert alert-success" role="alert" th:text="${session.msg}"></div>
        <th:block th:text="${#session.removeAttribute('msg')}">
    </div>

```

```

<!-- table -->
<div class="container, p-5">

    <table class="table table-striped">
        <thead>
            <tr>
                <th scope="col">Sr. No.</th>
                <th scope="col">Shoe ID</th>
                <th scope="col">Shoe Brand</th>
                <th scope="col">Shoe Category</th>
                <th scope="col">Shoe Price</th>
                <th scope="col">Shoe Description</th>
                <th scope="col">Data Action</th>
            </tr>
        </thead>
        <tbody>
            <tr th:each="e:${shoeEntityList}">
                <th th:text="${e.srno}">1</th>
                <td th:text="${e.shoeid}"></td>
                <td th:text="${e.brand}"></td>
                <td th:text="${e.category}"></td>
                <td th:text="${e.price}"></td>
                <td th:text="${e.description}"></td>
                <td><a class="btn btn-sm btn-primary"
                    th:href="@{/EditShoeDetail/{srno}(srno=${e.srno})}">Edit</a> <a
                    class="btn btn-sm btn-danger"
                    th:href="@{/DeleteShoeDetail/{srno}(srno=${e.srno})}">Delete</a></td>
            </tr>
        </tbody>
    </table>

    <!-- table -->

</div>

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js"
    integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCKRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"
    crossorigin="anonymous"></script>
<script
    src="https://cdn.jsdelivr.net/npm/popper.js@1.12.9/dist/umd/popper.min.js"
    integrity="sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"
    crossorigin="anonymous"></script>
<script
    src="https://cdn.jsdelivr.net/npm/bootstrap@4.0.0/dist/js/bootstrap.min.js"
    integrity="sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYL "
    crossorigin="anonymous"></script>
</body>
</html>

```