PHASE- 3 - ASSESSMENT PROJECT

IMPLEMENT SPRING FRAMEWORKS THE DEVOPS WAY

Developer Name : Garima Kumar
Email ID : garimasgv01991@gmail.com
Project Name : Make an E-commerce Website for Sporty Shoes
Phase 2- Project : Implement Spring Frameworks the DevOps way

Date of Submission : 10th July 2023

GiHub Repository link:

https://github.com/garimakumar/Phase-3-Make-an-E-commerce-Website-for-Sporty-Shoes.git

Flowcharts of the application and Core concepts used in the project

Spring Framework

SpringBoot

Spring Tool Suite 4

Java Programming Language

Maven

JDBC

Collections Frameworks

My SQL Server

MySQL Workbench

Apache Tomcat Server v.9

JSP

HTML

CSS

Hibernate

ORM

Controller

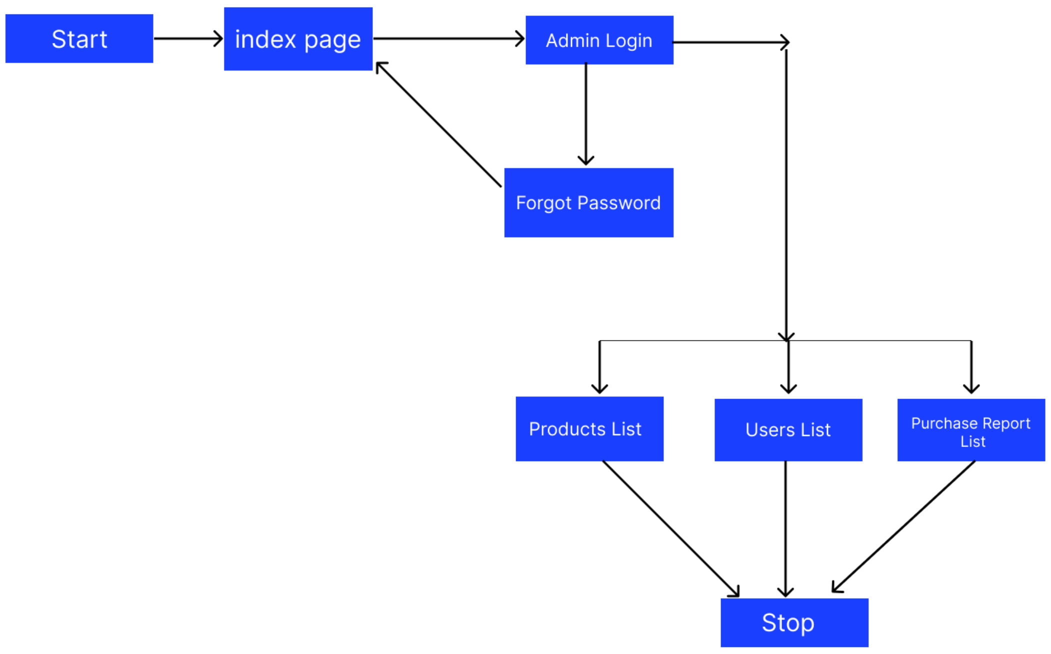
Autowired

RequestMapping

Git

GitHub

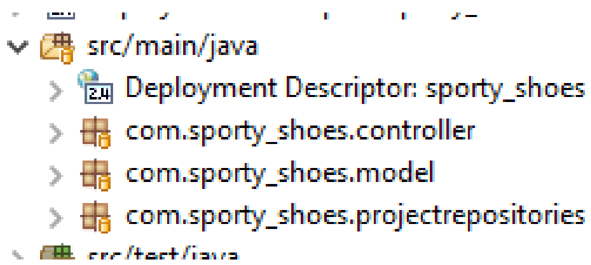
Flow Chart Of the Application:



Project Details

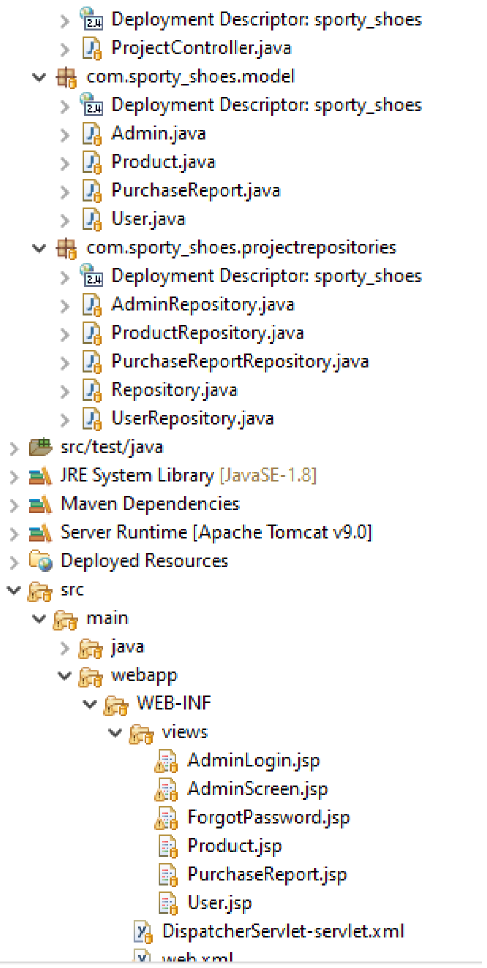
Create a Maven Project select archetype maven-archetype-webapp to created maven web project then fill groupID, ArtifactID.

Creating packages like



```
src/main/java
    Deployment Descriptor: sporty_shoes
    com.sporty_shoes.controller
    com.sporty_shoes.model
    com.sporty_shoes.projectrepositories
src/test/java
```

Create a structure



```
        Deployment Descriptor: sporty_shoes
        ProjectController.java
    com.sporty_shoes.model
        Deployment Descriptor: sporty_shoes
        Admin.java
        Product.java
        PurchaseReport.java
        User.java
    com.sporty_shoes.projectrepositories
        Deployment Descriptor: sporty_shoes
        AdminRepository.java
        ProductRepository.java
        PurchaseReportRepository.java
        Repository.java
        UserRepository.java
src/test/java
JRE System Library [JavaSE-1.8]
Maven Dependencies
Server Runtime [Apache Tomcat v9.0]
Deployed Resources
src
    main
        java
        webapp
            WEB-INF
                views
                    AdminLogin.jsp
                    AdminScreen.jsp
                    ForgotPassword.jsp
                    Product.jsp
                    PurchaseReport.jsp
                    User.jsp
                DispatcherServlet-servlet.xml
                web.xml
```

Source Code:

1. Admin.java

```
package com.sporty_shoes.model;

import java.io.Serializable;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name = "admin")
public class Admin implements Serializable {

private static final long serialVersionUID = 1L;

    @Id
    private String email;
    private String password;

    public Admin() {
            super();
    }
```

```
	public Admin(String email, String password) {
		super();
		this.email = email;
		this.password = password;
	}

	public String getEmail() {
		return email;
	}

	public void setEmail(String email) {
		this.email = email;
	}

	public String getPassword() {
		return password;
	}

	public void setPassword(String password) {
		this.password = password;
	}

	@Override
	public String toString() {
		return String.format("Admin [email=%s, password=%s]", email,
password);
```

```
    }



}
```

2. User.java

```
package com.sporty_shoes.model;


import java.io.Serializable;

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

@Entity

@Table(name="user")
public class User implements Serializable {

        private static final long serialVersionUID = 1L;

        @Id
        @GeneratedValue(strategy=GenerationType.AUTO)
        private int userId;
        private String userName;
        private String userEmail;
        private int userAge;
        private String userGender;
        private String userAddress;

        public User() {
                super();
        }
```

```
	public User(String userName, String userEmail, int userAge, String
userGender, String userAddress) {
		super();
		this.userName = userName;
		this.userEmail = userEmail;
		this.userAge = userAge;
		this.userGender = userGender;
		this.userAddress = userAddress;
	}

	public int getUserId() {
		return userId;
	}

	public void setUserId(int userId) {
		this.userId = userId;
	}

	public String getUserName() {
		return userName;
	}

	public void setUserName(String userName) {
		this.userName = userName;
	}

	public String getUserEmail() {
		return userEmail;
	}

	public void setUserEmail(String userEmail) {
		this.userEmail = userEmail;
	}

	public int getUserAge() {
		return userAge;
	}

	public void setUserAge(int userAge) {
		this.userAge = userAge;
	}

	public String getUserGender() {
		return userGender;
	}

	public void setUserGender(String userGender) {
		this.userGender = userGender;
	}

	public String getUserAddress() {
		return userAddress;
	}

	public void setUserAddress(String userAddress) {
		this.userAddress = userAddress;
	}

	public static long getSerialversionuid() {
		return serialVersionUID;
	}

	@Override
	public String toString() {
		return String.format("User [userId=%s, userName=%s,
userEmail=%s, userAge=%s, userGender=%s, userAddress=%s]",
				userId, userName, userEmail, userAge, userGender,
userAddress);
	}



}
```

3. Product.java

```
package com.sporty_shoes.model;


import java.io.Serializable;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity

@Table(name="product")
public class Product implements Serializable{


	private static final long serialVersionUID = 1L;

	@Id
	@GeneratedValue(strategy=GenerationType.AUTO)
	private int productId;
	private String productName;
	private int productPrice;
	private String productDiscription;


	public Product() {
		super();
	}


	public Product(String productName, int productPrice, String
productDiscription) {
		super();
		this.productName = productName;
		this.productPrice = productPrice;
		this.productDiscription = productDiscription;
	}


	public int getProductId() {
		return productId;
	}
	public void setProductId(int productId) {
		this.productId = productId;
	}

	public String getProductName() {
		return productName;
	}

	public void setProductName(String productName) {
		this.productName = productName;
	}

	public int getProductPrice() {
		return productPrice;
	}

	public void setProductPrice(int productPrice) {
		this.productPrice = productPrice;
	}

	public String getProductDiscription() {
		return productDiscription;
	}

	public void setProductDiscription(String productDiscription) {
		this.productDiscription = productDiscription;
	}

	@Override
	public String toString() {
		return String.format("Product [productId=%s, productName=%s,
productprice=%s, productDiscription=%s]",
                                        productId, productName, productPrice,
productDiscription);
          }






}
```

4. PurchaseReport

```
package com.sporty_shoes.model;


import java.io.Serializable;

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

@Entity
@Table(name="purchase_report")
public class PurchaseReport implements Serializable {

          private static final long serialVersionUID = 1L;

          @Id
          @GeneratedValue(strategy=GenerationType.AUTO)
          private int reportId;
          private String reportProductName;
          private String reportUserEmail;
          private String reportDate;
          private int reportPrice;

          public PurchaseReport() {
                    super();
          }
```

```
	public PurchaseReport(String reportProductName, String
reportUserEmail, String reportDate, int reportPrice) {
		super();
		this.reportProductName = reportProductName;
		this.reportUserEmail = reportUserEmail;
		this.reportDate = reportDate;
		this.reportPrice = reportPrice;
	}

	public int getReportId() {
		return reportId;
	}

	public void setReportId(int reportId) {
		this.reportId = reportId;
	}

	public String getReportProductName() {
		return reportProductName;
	}

	public void setReportProductName(String reportProductName) {
		this.reportProductName = reportProductName;
	}

	public String getReportUserEmail() {
		return reportUserEmail;
	}

	public void setReportUserEmail(String reportUserEmail) {
		this.reportUserEmail = reportUserEmail;
	}

	public String getReportDate() {
		return reportDate;
	}

	public void setReportDate(String reportDate) {
		this.reportDate = reportDate;
		}

		public int getReportPrice() {
			return reportPrice;
		}

		public void setReportPrice(int reportPrice) {
			this.reportPrice = reportPrice;
		}

		public static long getSerialversionuid() {
			return serialVersionUID;
		}

		@Override
		public String toString() {
			return String.format(
					"PurchaseReport [reportId=%s,
	reportProductName=%s, reportUserEmail=%s, reportDate=%s,
	reportPrice=%s]",
					reportId, reportProductName, reportUserEmail,
	reportDate, reportPrice);
		}


	}
```

5. AdminRepository.java

```
package com.sporty_shoes.projectrepositories;



import java.util.List;


import org.hibernate.query.Query;

import org.hibernate.Session;

import org.hibernate.Transaction;
import org.springframework.orm.hibernate5.HibernateTemplate;

import com.sporty_shoes.model.Admin;



@SuppressWarnings("deprecation")
public class AdminRepository {


	private HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}


	public boolean verifyAdmin(Admin a) {
		Session session=hibernateTemplate.getSessionFactory().openSession();
		Transaction transaction=session.beginTransaction();

		String hql = "from Admin where email=:email and password=:password";
		Query<Admin> query = session.createQuery(hql,Admin.class);
```

```
        query.setParameter("email", a.getEmail());
        query.setParameter("password", a.getPassword());
        List<Admin> results = query.getResultList();
        transaction.commit();
        session.close();

        return results.size()>0;
    }

}
```

6. UserRepository.java

```
package com.sporty_shoes.projectrepositories;


import java.util.List;

import org.hibernate.query.Query;
import org.hibernate.Session;
import org.hibernate.Transaction;
import org.springframework.orm.hibernate5.HibernateTemplate;

import com.sporty_shoes.model.User;


@SuppressWarnings("deprecation")
public class UserRepository {
```

```
HibernateTemplate hibernateTemplate;



public UserRepository() {
	super();
}



public UserRepository(HibernateTemplate hibernateTemplate) {
	super();
	this.hibernateTemplate = hibernateTemplate;
}



public HibernateTemplate getHibernateTemplate() {
	return hibernateTemplate;
}

public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
	this.hibernateTemplate = hibernateTemplate;
}

public List<User> getAllUsers(){

	List<User> userList=hibernateTemplate.loadAll(User.class);
	return userList;
	}


	public List<User> searchUser(String email){

		Session session=hibernateTemplate.getSessionFactory().openSession();
		Transaction transaction=session.beginTransaction();

		String hql = "from User where userEmail=:email";
		Query<User> query = session.createQuery(hql,User.class);
		query.setParameter("email", email);
		List<User> user = query.getResultList();
		transaction.commit();
		session.close();

		return user;
	}

}
```

7. Repository.java

```
package com.sporty_shoes.projectrepositories;

import org.hibernate.Query;
import org.hibernate.Session;
import org.hibernate.Transaction;
import org.springframework.orm.hibernate5.HibernateTemplate;
import com.sporty_shoes.model.Admin;


@SuppressWarnings("deprecation")
public class Repository {


	private HibernateTemplate hibernateTemplate;


	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}


	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}



	public boolean forgotPassword(String email,String password) {
		Session session=hibernateTemplate.getSessionFactory().openSession();
		Transaction tx=session.beginTransaction();
		@SuppressWarnings("unchecked")
		Query<Admin> q=session.createQuery("update Admin set password=:p
where email=:e");
		q.setParameter("e",email);
		q.setParameter("p",password);


		int status=q.executeUpdate();
```

```
                System.out.println(status);
                tx.commit();
                return status>0?true:false;
        }
}
```

8. ProductRepository.java

```
package com.sporty_shoes.projectrepositories;



import java.util.List;


import org.hibernate.Session;
import org.hibernate.Transaction;
import org.springframework.orm.hibernate5.HibernateTemplate;

import com.sporty_shoes.model.Product;



public class ProductRepository {



        HibernateTemplate hibernateTemplate;



        public ProductRepository() {
                super();
        }
```

```
public ProductRepository(HibernateTemplate hibernateTemplate) {
        super();
        this.hibernateTemplate = hibernateTemplate;
}



public HibernateTemplate getHibernateTemplate() {
        return hibernateTemplate;
}

public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
        this.hibernateTemplate = hibernateTemplate;
}

public List<Product> getAllProducts(){


        List<Product> productList=hibernateTemplate.loadAll(Product.class);
        return productList;


}

public Boolean deleteProduct(int id) {


        try {
        Session session=hibernateTemplate.getSessionFactory().openSession();
```

```
		Transaction transaction=session.beginTransaction();
		Product p=session.get(Product.class, id);
		session.delete(p);
		transaction.commit();
		session.close();
		}
		catch(Exception e) {
			return false;
		}
		return true;
	}
}
```

9. PurchaseReport.java

```
package com.sporty_shoes.projectrepositories;

import java.util.List;



import org.springframework.orm.hibernate5.HibernateTemplate;
import com.sporty_shoes.model.PurchaseReport;

public class PurchaseReportRepository {

	HibernateTemplate hibernateTemplate;

	public HibernateTemplate getHibernateTemplate() {
		return hibernateTemplate;
	}

	public void setHibernateTemplate(HibernateTemplate hibernateTemplate) {
		this.hibernateTemplate = hibernateTemplate;
	}

	@SuppressWarnings("deprecation")
	public List<PurchaseReport> getReport(){

		@SuppressWarnings("unchecked")
		List<PurchaseReport> report=(List<PurchaseReport>)
hibernateTemplate.find("from PurchaseReport order by
reportProductName,reportDate");

		return report;
	}

}
```

10. ProjectController

```
package com.sporty_shoes.controller;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.ModelMap;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.bind.annotation.RequestParam;
import com.sporty_shoes.model.Admin;

import com.sporty_shoes.projectrepositories.AdminRepository;

import com.sporty_shoes.projectrepositories.ProductRepository;

import com.sporty_shoes.projectrepositories.PurchaseReportRepository;

import com.sporty_shoes.projectrepositories.Repository;

import com.sporty_shoes.projectrepositories.UserRepository;


@Controller

public class ProjectController {


	@Autowired

	AdminRepository adminRepository;

	@Autowired

	ProductRepository productRepository;

	@Autowired

	UserRepository  userRepository;

	@Autowired

	PurchaseReportRepository purchaseReportRepository;

	@Autowired

	Repository repository;


	@RequestMapping("/")

	public String showHome() {

		return "Home";

	}


	@RequestMapping(value="adminLogin",method =RequestMethod.GET)
	public String adminLoginPage() {
		return "AdminLogin";
	}

	@RequestMapping(value="forgotPassword",method =RequestMethod.GET)
	public String forgotPassword() {
		return "ForgotPassword";
	}

	@RequestMapping(value="adminForgotPassword",method
=RequestMethod.POST)
	public String adminForgotPasswordPage(@RequestParam("email")String email,
			@RequestParam("password")String password,ModelMap map) {


		if(repository.forgotPassword(email,password))
			map.addAttribute("message","Password Updated");
		else
			map.addAttribute("message","Invalid Details");

		return "ForgotPassword";
	}


	@RequestMapping(value="adminscreen",method=RequestMethod.POST)
	public String adminPage(@RequestParam(name="email")String email,
			@RequestParam(name="password")String password,ModelMap
map) {
        if(adminRepository.verifyAdmin(new Admin(email,password)))
                return "AdminScreen";
        else {
                map.addAttribute("message", "Invalid Details");
                return "AdminLogin";
        }

}

@RequestMapping(value="product",method=RequestMethod.GET)
public String getAllProducts(ModelMap map) {

        map.addAttribute("productList",productRepository.getAllProducts());
        return "Product";

}

@RequestMapping(value="user",method=RequestMethod.GET)
public String getAllUsers(ModelMap map) {

        map.addAttribute("userList",userRepository.getAllUsers());
        return "User";

}

@RequestMapping(value="searchUser",method=RequestMethod.GET)
```

```
        public String searchUser(@RequestParam("email")String email,ModelMap map)
{


                map.addAttribute("userList",userRepository.searchUser(email));
                return "User";


        }


        @RequestMapping(value="purchaseReport",method=RequestMethod.GET)
        public String getRport(ModelMap map) {


                map.addAttribute("report",purchaseReportRepository.getReport());
                return "PurchaseReport";


        }


        @RequestMapping(value="deleteProduct",method=RequestMethod.GET)
        public String deleteProduct(@RequestParam("id")int id,ModelMap map) {


                if(productRepository.deleteProduct(id))
                        map.addAttribute("message","Product Deleted Successfully");
                else
                        map.addAttribute("message","Try after few minutes");


                map.addAttribute("productList",productRepository.getAllProducts());


                return "Product";
        }


    }
```

Views folder

11. Index.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sporty Shoes</title>
</head>
<body>

<h1 align="center">SportyShoes.com</h1>
<h2 align="center">An-E-Commerce Website</h2>
<p align="center"><a href="adminLogin" style="font-
size:25px;"><input type="button" value="ADMIN LOGIN"></a></p>


<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>
</body>
</html>
```

12. AdminLogin.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
     pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sporty Shoes</title>
</head>
<body>
<h1 align="center">SportyShoes.com</h1>
<h2 align="center">An-E-Commerce Website</h2>
     <br>
     <a href=index.jsp
          style="color: black; text-decoration: none; font-size:
35px; font-weight: bold"> </a>
     <br>
     <br>

     <center>
          <h2 >Admin Login</h2>
     </center>
     <center>
          <div style="border: 3px solid black; width: 25%;
padding: 20px">
               <form action=adminscreen method=post>
                    <label for=email>Email :-</label> <input
type="email" name=email
                         id=email /><br>
                    <br> <label for=pass>Password :-</label>
<input type="password"
                         name=password id=pass /><br>
                    <br> <input type=submit value=submit />
<input type=reset />
               </form>
          </div>
     </center>
     <br>
     <a href=forgotPassword style="font-size: 30; color:
black;"><h3>Forgot
          Password</h3></a>


     <p style="color: red">${message}</p>
```

```
<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>
</body>
</html>
```

13. AdminScreen.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
     pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sporty Shoes</title>
<style>
div {
     color: blue;
     font-size: 20px;
     height: 100px;
     width: 1250px;
}

a {
     padding-left: 50px;
}
</style>
</head>
<body>
<h1 align="center">SportyShoes.com</h1>
<h2 align="center">An-E-Commerce Website</h2><br>
     <a href=index.jsp
          style="color: black; text-decoration: none; font-size:
35px; font-weight: bold;"></a>
     <br>
```

```
	<br>

	<div>
		<center>
			<br>
			<br> <a href="product" target="iframe"><input
type="button"
				value="Products"></a> <a href="user"
target="iframe"><input
				type="button" value="Users"></a> <a
href="purchaseReport"
				target="iframe"><input type="button"
value="Purchase Report"></a>
		</center>
	</div>
	<br>
	<br>

	<center>
		<iframe src="product" name="iframe"
			style="height: 400px; width: 900px"></iframe>
	</center>

<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>
</body>
</html>
```

14. ForgotPassword.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
	pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
```

```
<title>Sporty Shoes</title>
</head>
<body>
<h1 align="center">SportyShoes.com</h1>
<h2 align="center">An-E-Commerce Website</h2>
     <br>
     <a href=index.jsp
          style="color: black; text-decoration: none; font-size:
35px; font-weight: bold"><center>Sporty
               Shoes--An-E commerce Website</center></a>
     <br>
     <br>
     <center>
          <h2 style="color: blue">Enter details to reset
Password</h2>
     </center>
     <center>
          <div style="border: 3px solid black; width: 25%;
padding: 20px">
               <form action=adminForgotPassword method=post>
                    <label for=email>Email :-</label> <input
type="email" name=email
                         id=email required /><br>
                    <br> <label for=pass>New Password :-</label>
<input
                         type="password" name=password id=pass
required /><br>
                    <br> <input type=submit value=submit />
<input type=reset />
               </form>
          </div>
     </center>
     <br>
     <br>
     <p style="color: green">${message}</p>

<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>
```

```
</body>
</html>
```

1

15. Product.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sporty Shoes</title>

</head>
<body style="background-color: white">

<style>
table, th, td {
    border: 1px solid black;
    text-align: center;
}
</style>

    <h2>Available Products</h2>
    <br>
    <table style="width: 100%">
        <tr>
            <th>Product Name</th>
            <th>Product Discription</th>
            <th>Product Price</th>
        </tr>

        <c:forEach var="product" items="${productList}">

            <tr>
                <td>${product.productName}</td>
                <td>${product.productDiscription}</td>
                <td>${product.productPrice}</td>
                <td><a
href="deleteProduct?id=${product.productId}">Delete</a></td>
```

```
                </tr>

            </c:forEach>

        </table>
        <br>
        <br>
        <p style="color: green">${message}</p>

<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>
</body>
</html>
```

16. PurchaseReport.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
     pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sporty Shoes</title>
<style>
table, th, td {
     border: 1px solid black;
     text-align: center;
}
</style>

</head>
<body style="background-color: white;">
```

```
<h1 align="center">SportyShoes.com</h1>
<h2 align="center">An-E-Commerce Website</h2><br><br>
     <h2>Purchase Report</h2>
     <br>
     <table style="width: 100%">
          <tr>
               <th>Product name</th>
               <th>User Email</th>
               <th>Date</th>
               <th>Price</th>
          </tr>

          <c:forEach var="report" items="${report}">

               <tr>
                    <td>${report.reportProductName}</td>
                    <td>${report.reportUserEmail}</td>
                    <td>${report.reportDate}</td>
                    <td>${report.reportPrice}</td>
               </tr>

          </c:forEach>

     </table>

<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>

</body>
</html>
```

17 . User.jsp

```
<%@ page language="java" contentType="text/html; charset=ISO-
8859-1"
```

```
     pageEncoding="ISO-8859-1"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sporty Shoes</title>
<style>
table, th, td {
     border: 1px solid black;
     text-align: center;
}
</style>
</head>
<body style="background-color: white;">
<h1 align="center">SportyShoes.com</h1>
<h2 align="center">An-E-Commerce Website</h2><br><br>
     <h2>Users Details</h2>
     <br>

     <form action=searchUser>
          <label for="search">Search User By Email :-</label>
<input
               type="email" name="email" id="search" /> <input
type="submit"
               value="search" />
     </form>
     <br>
     <br>
     <table style="width: 100%">
          <tr>
               <th>Name</th>
               <th>Email</th>
               <th>Age</th>
               <th>Gender</th>
               <th>Address</th>
          </tr>

          <c:forEach var="user" items="${userList}">

               <tr>
                    <td>${user.userName}</td>
                    <td>${user.userEmail}</td>
                    <td>${user.userAge}</td>
                    <td>${user.userGender}</td>
                    <td>${user.userAddress}</td>
               </tr>
          </c:forEach>

     </table>

<!-- CODE TO APPLY BACKGROUND IMAGE IN THE WEBPAGE-->
<style>
body {
background-image:
url("https://img.freepik.com/premium-photo/pair-white-sneakers-
bright-yellow-background-top-view-place-copy-healthy-lifestyle-
concept_380694-10880.jpg");
background-repeat: no-repeat;
background-size: cover;
}
</style>

</body>
</html>
```

18. DispatcherServlet-servlet.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
     xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
     xmlns:mvc="http://www.springframework.org/schema/mvc"
     xmlns:tx="http://www.springframework.org/schema/tx"
     xmlns:context="http://www.springframework.org/schema/contex
t"
     xsi:schemaLocation="
        http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
        http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context.xsd
        http://www.springframework.org/schema/mvc
http://www.springframework.org/schema/mvc/spring-mvc.xsd
        http://www.springframework.org/schema/tx
http://www.springframework.org/schema/tx/spring-tx.xsd">

   <context:component-scan base-
package="com.sporty_shoes.controller"/>

     <mvc:annotation-driven/>
```

```xml
   <bean class =
"org.springframework.web.servlet.view.InternalResourceViewResolv
er">
      <property name = "prefix" value = "/WEB-INF/views/" />
      <property name = "suffix" value = ".jsp" />
   </bean>

     <bean id="dataSource"
class="org.springframework.jdbc.datasource.DriverManagerDataSour
ce">
          <property name="driverClassName"
value="com.mysql.cj.jdbc.Driver"></property>
          <property name="url"
value="jdbc:mysql://localhost:3306/sporty_shoes"></property>
          <property name="username" value="root"></property>
          <property name="password"
value="Garima@1991"></property>
     </bean>

     <bean id="sessionFactory"
class="org.springframework.orm.hibernate5.LocalSessionFactoryBea
n">
        <property name="dataSource" ref="dataSource"></property>
        <property name="packagesToScan"
value="com.sporty_shoes.model"></property>
        <property name="hibernateProperties">
            <props>
                <prop
key="hibernate.dialect">org.hibernate.dialect.MySQL8Dialect</pro
p>
                <prop key="hibernate.hbm2ddl.auto">update</prop>
                <prop key="hibernate.show_sql">true</prop>
            </props>
        </property>
    </bean>

   <bean id="myTransactionManager"
class="org.springframework.orm.hibernate5.HibernateTransactionMa
nager">
          <property name="sessionFactory" ref="sessionFactory"/>
     </bean>

     <tx:annotation-driven transaction-
manager="myTransactionManager"/>

    <bean id="hibernateTemplate"
class="org.springframework.orm.hibernate5.HibernateTemplate">
```

```
    <property name="sessionFactory"
ref="sessionFactory"></property>
    </bean>

    <bean id="adminRepository"
class="com.sporty_shoes.projectrepositories.AdminRepository">
    <property name="hibernateTemplate"
ref="hibernateTemplate"></property>
    </bean>

    <bean id="productRepository"
class="com.sporty_shoes.projectrepositories.ProductRepository">
    <property name="hibernateTemplate"
ref="hibernateTemplate"></property>
    </bean>

    <bean id="userRepository"
class="com.sporty_shoes.projectrepositories.UserRepository">
    <property name="hibernateTemplate"
ref="hibernateTemplate"></property>
    </bean>

    <bean id="purchaseReportRepository"
class="com.sporty_shoes.projectrepositories.PurchaseReportReposi
tory">
    <property name="hibernateTemplate"
ref="hibernateTemplate"></property>
    </bean>

    <bean id="repository"
class="com.sporty_shoes.projectrepositories.Repository">
    <property name="hibernateTemplate"
ref="hibernateTemplate"></property>
    </bean>

     </beans>
```

19. Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://JAVA.sun.com/xml/ns/javaee"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
```

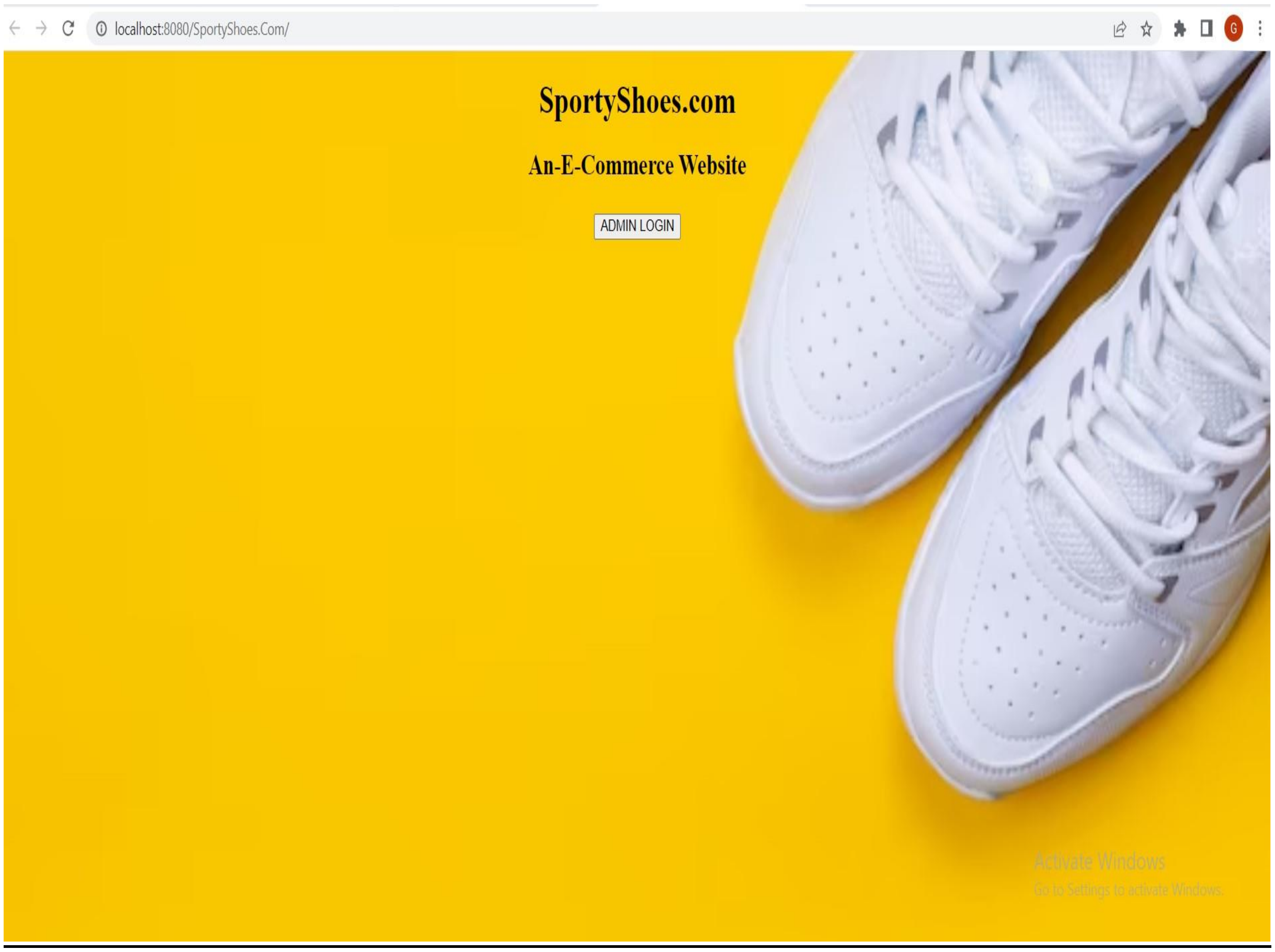
```
http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd"
version="2.5">
  <display-name>sporty_shoes</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>

  <servlet>
     <servlet-name>DispatcherServlet</servlet-name>
     <servlet-
class>org.springframework.web.servlet.DispatcherServlet</servlet
-class>
     <load-on-startup>1</load-on-startup>
  </servlet>

  <servlet-mapping>
     <servlet-name>DispatcherServlet</servlet-name>
     <url-pattern>/</url-pattern>
  </servlet-mapping>

</web-app>
```

20. <u>pom.xml file</u>

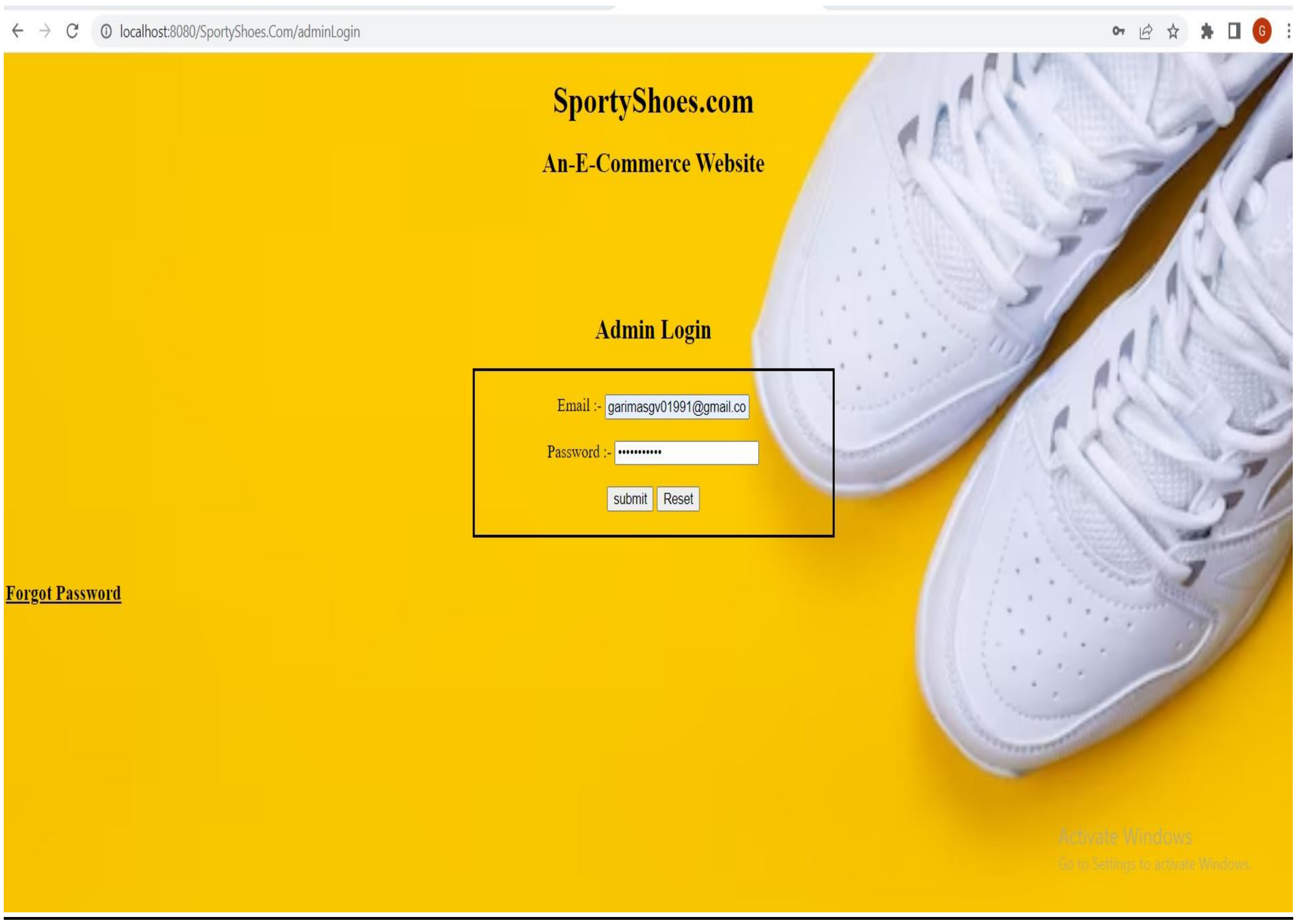
```
<?xml version="1.0" encoding="UTF-8"?>

<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
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.springapps.sportyshoes</groupId>
  <artifactId>sporty_shoes</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <packaging>war</packaging>

  <name>sporty_shoes Maven Webapp</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>
  <properties>
          <project.build.sourceEncoding>UTF-
8</project.build.sourceEncoding>
          <maven.compiler.source>1.8</maven.compiler.source>
          <maven.compiler.target>1.8</maven.compiler.target>

     <springframework.version>4.3.6.RELEASE</springframework.ver
sion>
     </properties>

     <dependencies>
          <dependency>
               <groupId>org.springframework</groupId>
               <artifactId>spring-webmvc</artifactId>
               <version>${springframework.version}</version>
          </dependency>
          <dependency>
               <groupId>org.springframework</groupId>
               <artifactId>spring-orm</artifactId>
               <version>${springframework.version}</version>
          </dependency>
          <dependency>
              <groupId>org.hibernate</groupId>
              <artifactId>hibernate-core</artifactId>
              <version>5.3.26.Final</version>
          </dependency>
          <dependency>
              <groupId>mysql</groupId>
              <artifactId>mysql-connector-java</artifactId>
              <version>8.0.29</version>
          </dependency>
          <dependency>
              <groupId>jstl</groupId>
              <artifactId>jstl</artifactId>
              <version>1.2</version>
          </dependency>
          <dependency>
              <groupId>taglibs</groupId>
              <artifactId>standard</artifactId>
              <version>1.1.2</version>
          </dependency>
     </dependencies>
  <build>
    <finalName>sporty_shoes</finalName>
    <pluginManagement><!-- lock down plugins versions to avoid
using Maven defaults (may be moved to parent pom) -->
      <plugins>
        <plugin>
          <artifactId>maven-clean-plugin</artifactId>
          <version>3.1.0</version>
        </plugin>
        <!-- see http://maven.apache.org/ref/current/maven-
core/default-bindings.html#Plugin_bindings_for_war_packaging -->
        <plugin>
          <artifactId>maven-resources-plugin</artifactId>
          <version>3.0.2</version>
        </plugin>
        <plugin>
          <artifactId>maven-compiler-plugin</artifactId>
          <version>3.8.0</version>
        </plugin>
        <plugin>
          <artifactId>maven-surefire-plugin</artifactId>
          <version>2.22.1</version>
        </plugin>
        <plugin>
          <artifactId>maven-war-plugin</artifactId>
          <version>3.2.2</version>
        </plugin>
        <plugin>
          <artifactId>maven-install-plugin</artifactId>
          <version>2.5.2</version>
        </plugin>
        <plugin>
          <artifactId>maven-deploy-plugin</artifactId>
          <version>2.8.2</version>
        </plugin>
      </plugins>
    </pluginManagement>
  </build>
</project>
```

Screenshots of the outputs:

1. <u>Index Page</u>


localhost:8080/SportyShoes.Com/
SportyShoes.com
An-E-Commerce Website
ADMIN LOGIN
Activate Windows
Go to Settings to activate Windows.

2. **<u>There will be an admin to manage the website. An administrator login will be required to access the admin page.</u>**


localhost:8080/SportyShoes.Com/adminLogin

SportyShoes.com

An-E-Commerce Website

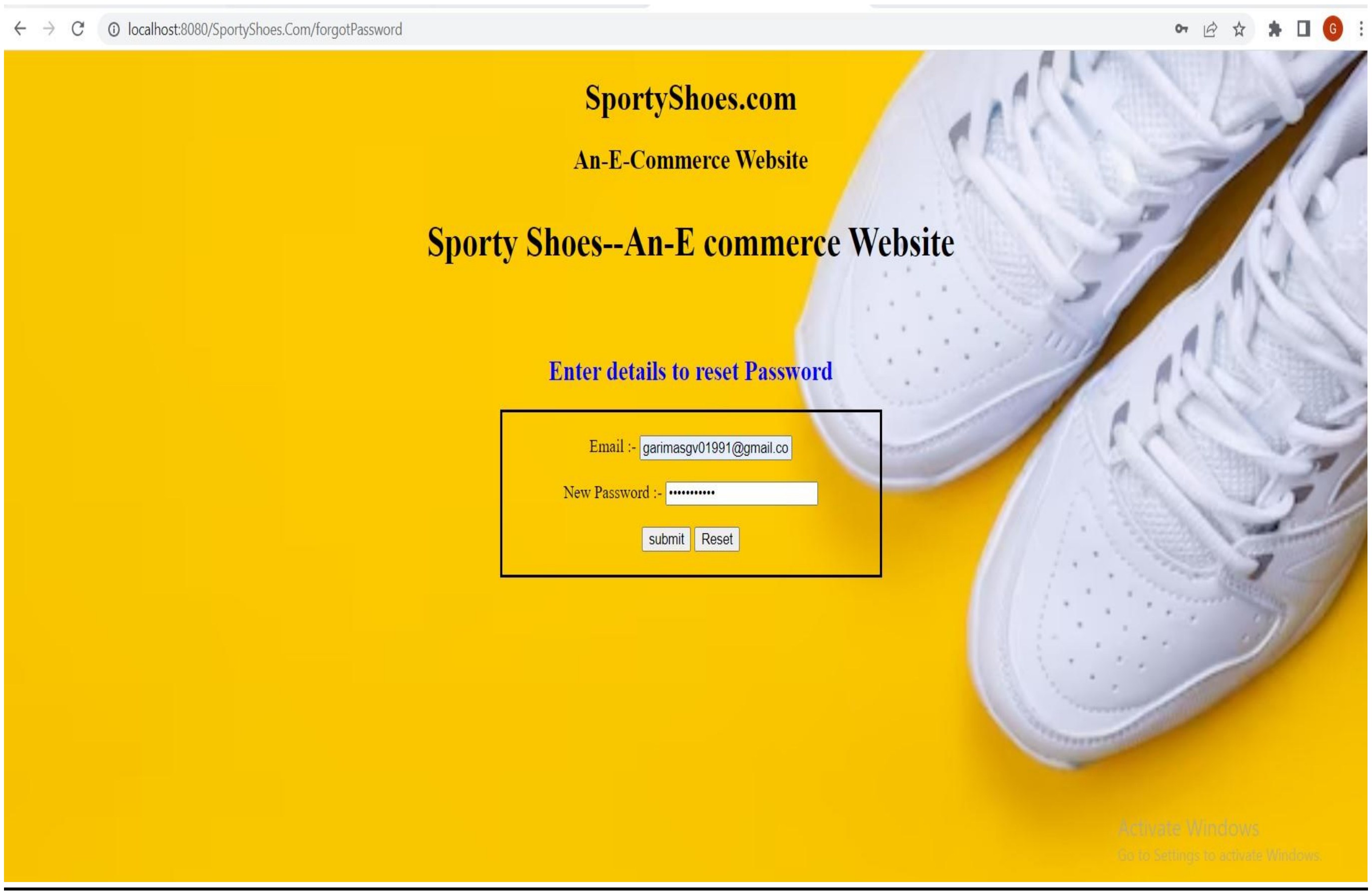
Admin Login

Email :- garimasgv01991@gmail.co

Password :- •••••••••••

Forgot Password

3. Admin Forgot Password Page


localhost:8080/SportyShoes.Com/forgotPassword

SportyShoes.com

An-E-Commerce Website

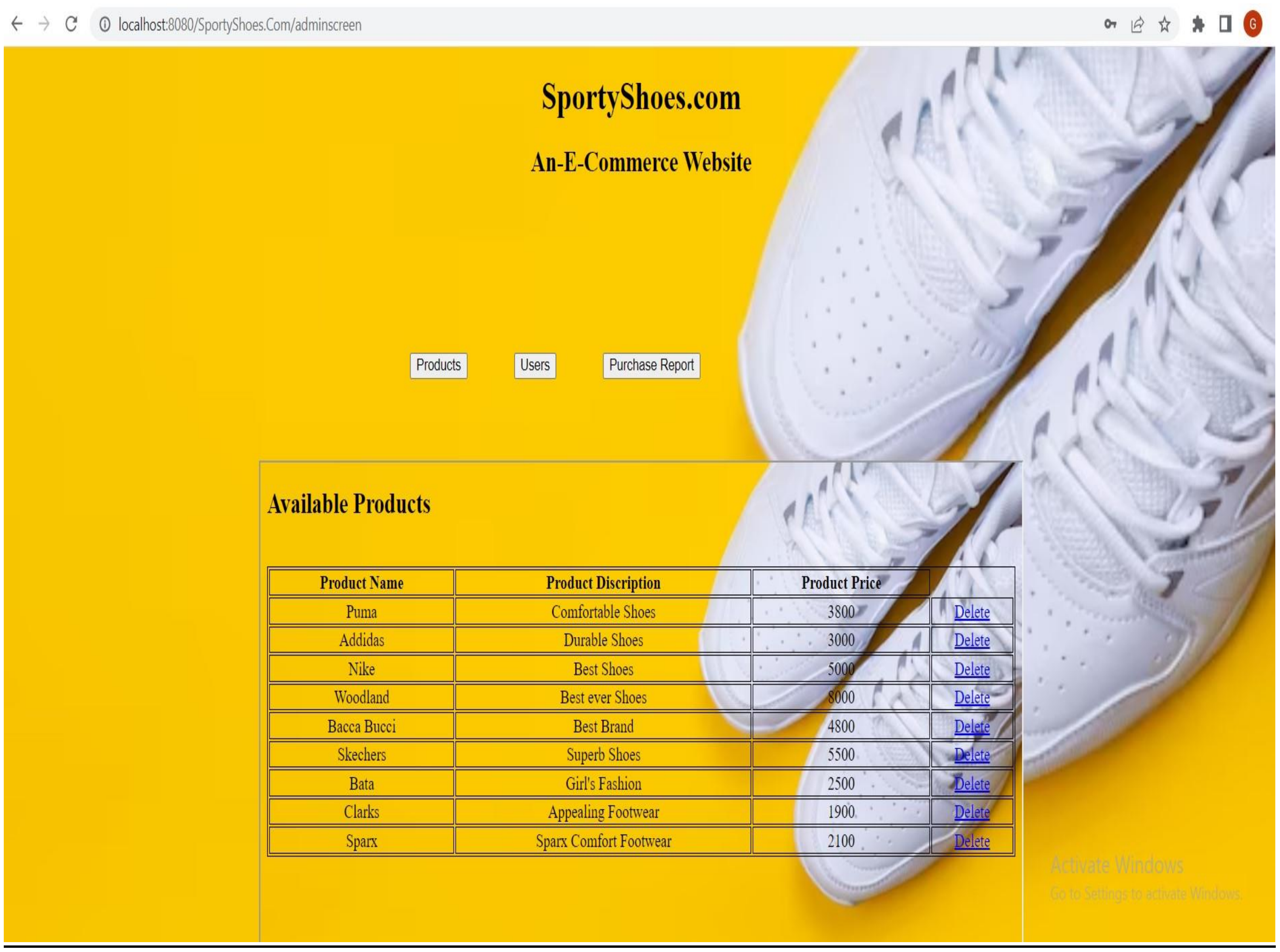
Sporty Shoes--An-E commerce Website

Enter details to reset Password

Email :- garimasgv01991@gmail.co

New Password :- •••••••••••

4. **Manage the products in the store including categorizing them**


localhost:8080/SportyShoes.Com/adminscreen
Products
Users
Purchase Report
Activate Windows
Go to Settings to activate Windows.

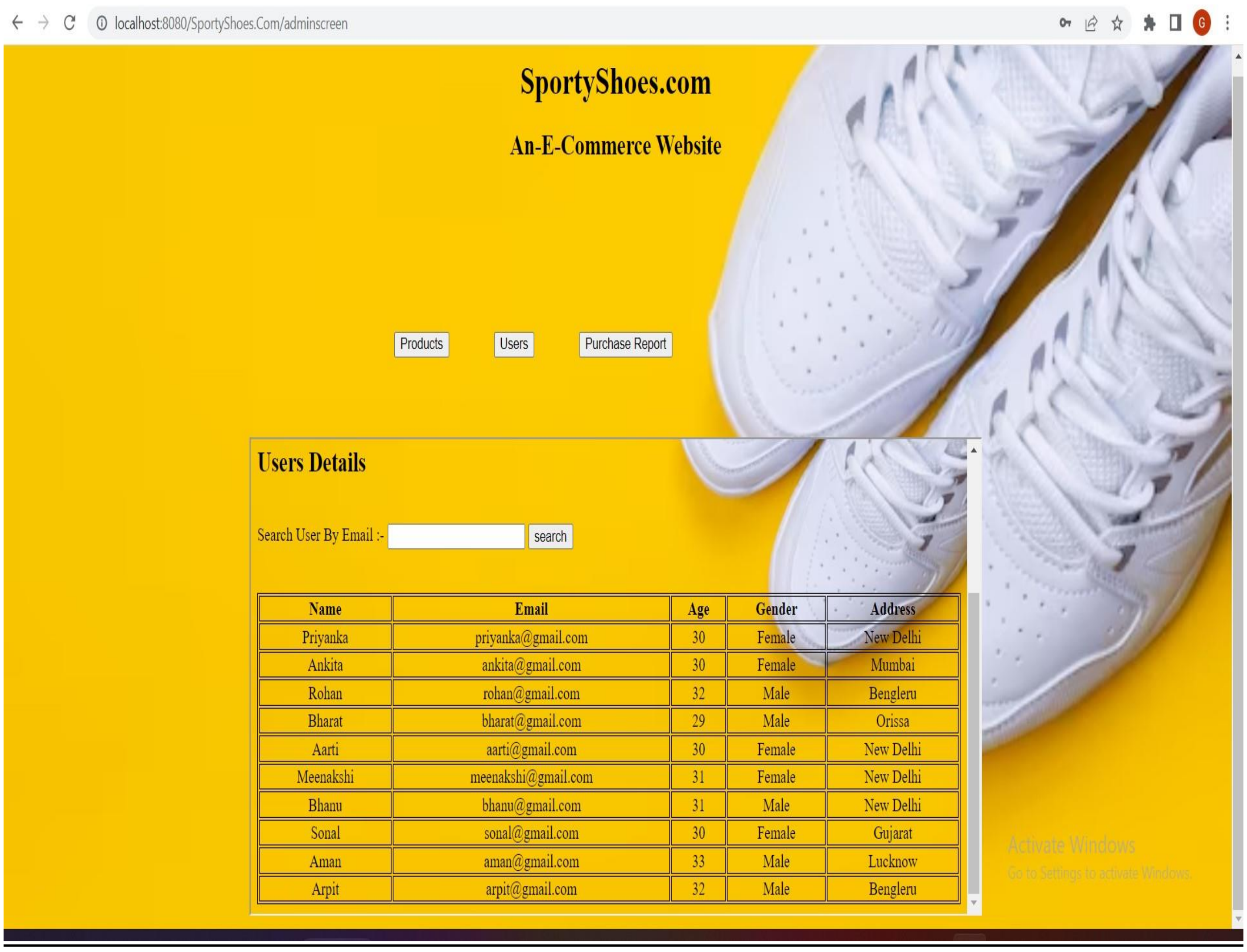
SportyShoes.com

An-E-Commerce Website

Available Products

Product Name	Product Discription	Product Price	
Puma	Comfortable Shoes	3800	Delete
Addidas	Durable Shoes	3000	Delete
Nike	Best Shoes	5000	Delete
Woodland	Best ever Shoes	8000	Delete
Bacca Bucci	Best Brand	4800	Delete
Skechers	Superb Shoes	5500	Delete
Bata	Girl's Fashion	2500	Delete
Clarks	Appealing Footwear	1900	Delete
Sparx	Sparx Comfort Footwear	2100	Delete

5. <u>User Login List</u>

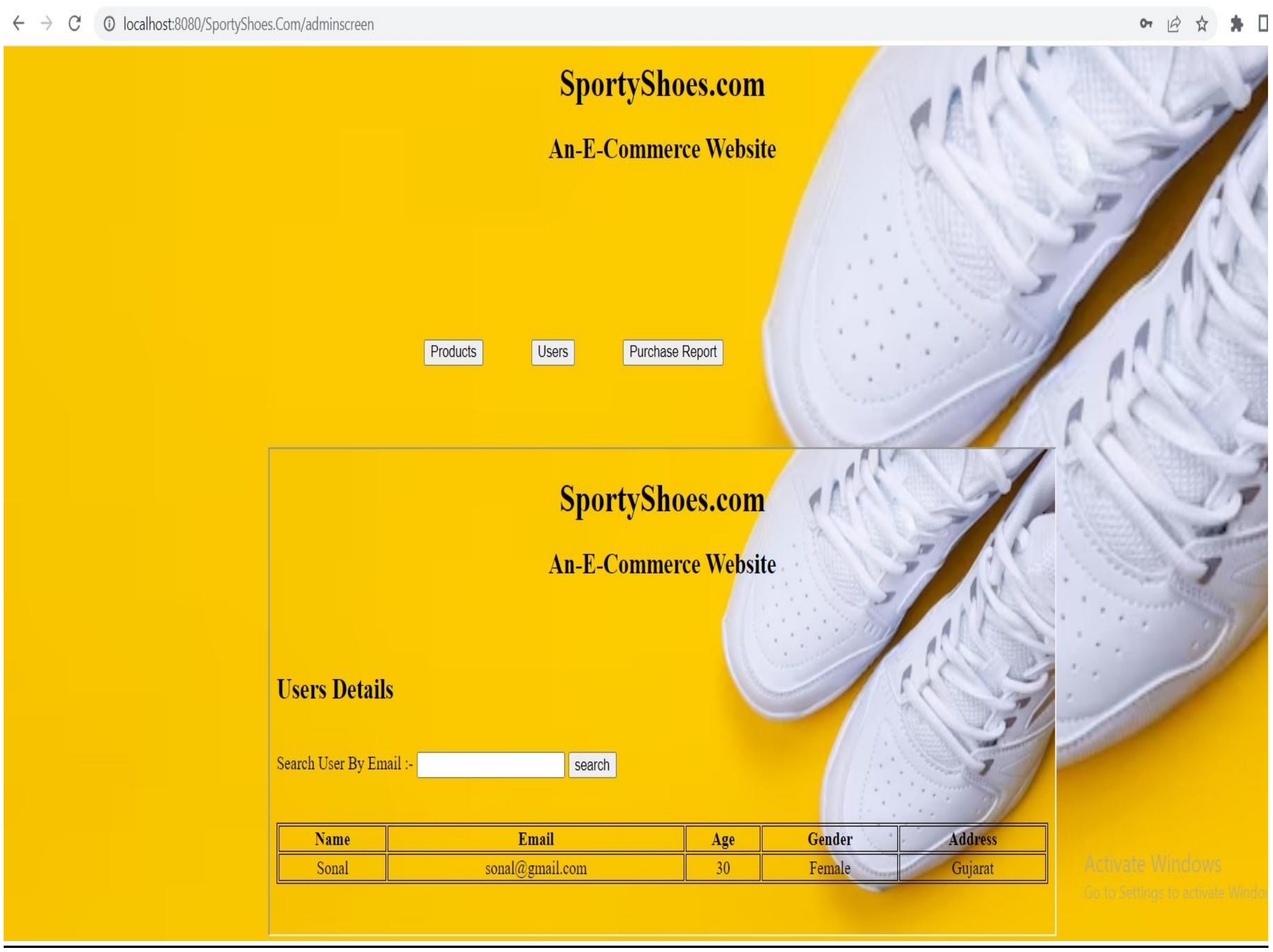


Users Details

Search User By Email :-

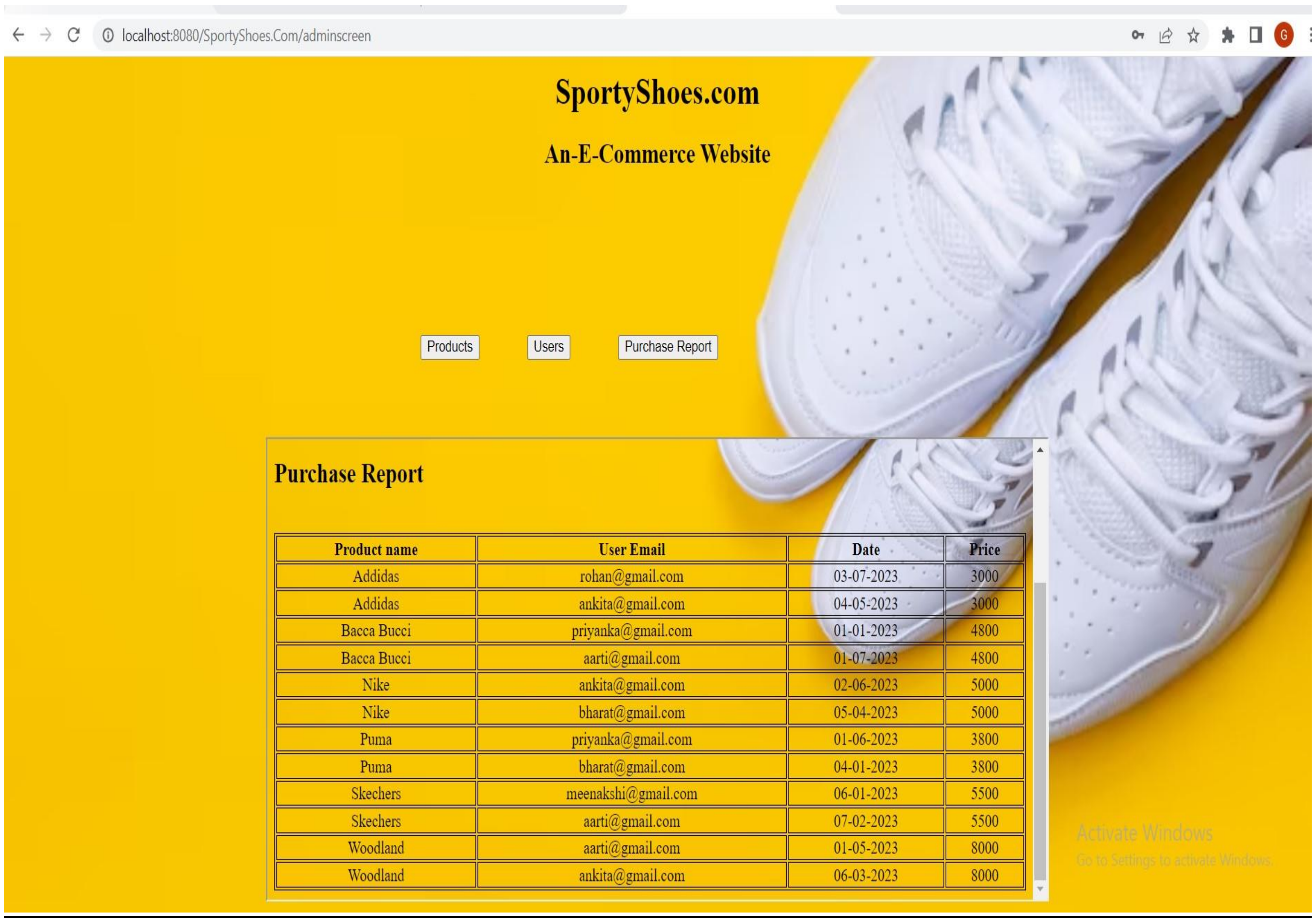
Name	Email	Age	Gender	Address
Priyanka	priyanka@gmail.com	30	Female	New Delhi
Ankita	ankita@gmail.com	30	Female	Mumbai
Rohan	rohan@gmail.com	32	Male	Bengleru
Bharat	bharat@gmail.com	29	Male	Orissa
Aarti	aarti@gmail.com	30	Female	New Delhi
Meenakshi	meenakshi@gmail.com	31	Female	New Delhi
Bhanu	bhanu@gmail.com	31	Male	New Delhi
Sonal	sonal@gmail.com	30	Female	Gujarat
Aman	aman@gmail.com	33	Male	Lucknow
Arpit	arpit@gmail.com	32	Male	Bengleru

6. Searching users using the Email:



Name	Email	Age	Gender	Address
Sonal	sonal@gmail.com	30	Female	Gujarat

7. Purchase Reports


localhost:8080/SportyShoes.Com/adminscreen
Products
Users
Purchase Report
Activate Windows
Go to Settings to activate Windows.

SportyShoes.com

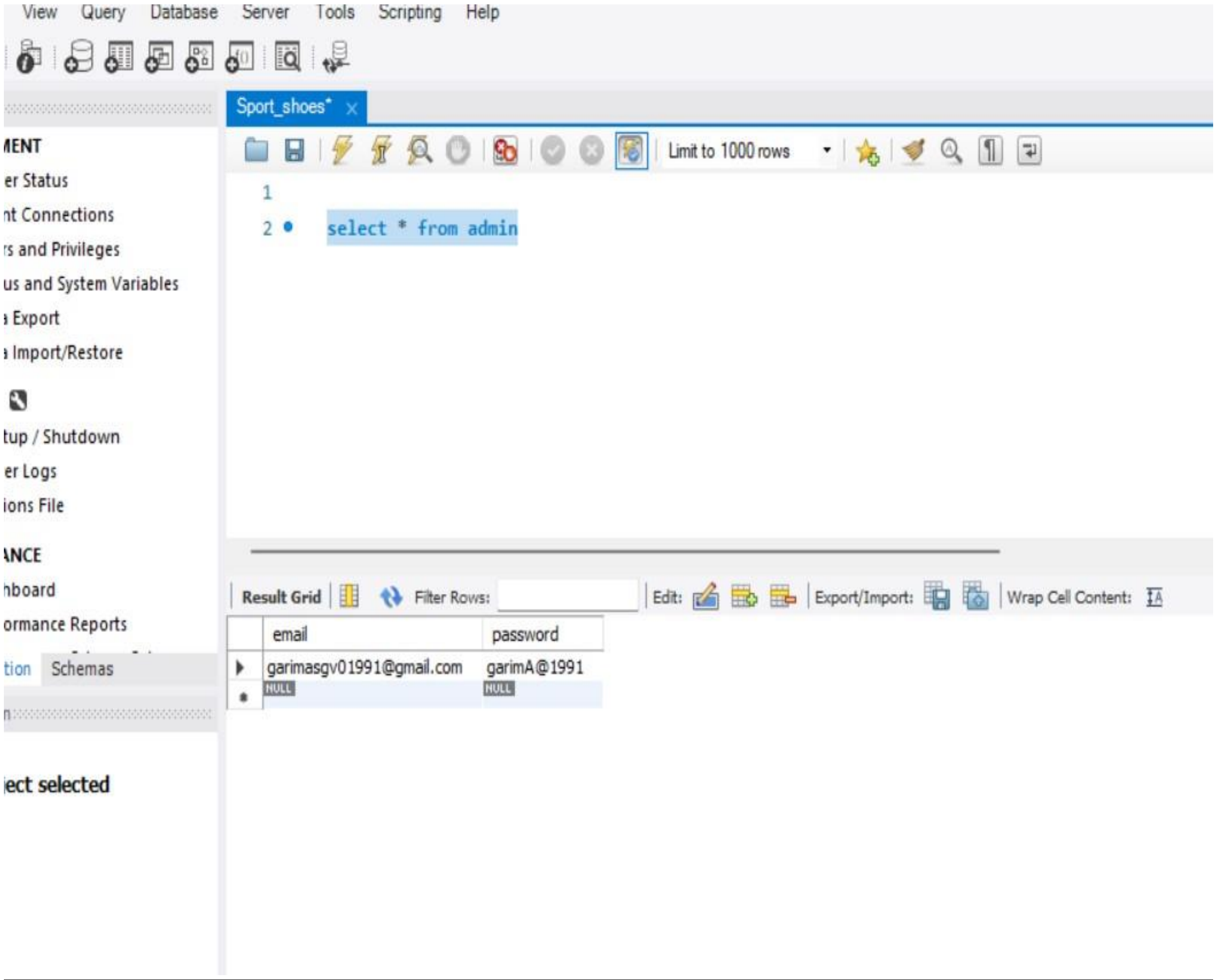
An-E-Commerce Website

Purchase Report

Product name	User Email	Date	Price
Addidas	rohan@gmail.com	03-07-2023	3000
Addidas	ankita@gmail.com	04-05-2023	3000
Bacca Bucci	priyanka@gmail.com	01-01-2023	4800
Bacca Bucci	aarti@gmail.com	01-07-2023	4800
Nike	ankita@gmail.com	02-06-2023	5000
Nike	bharat@gmail.com	05-04-2023	5000
Puma	priyanka@gmail.com	01-06-2023	3800
Puma	bharat@gmail.com	04-01-2023	3800
Skechers	meenakshi@gmail.com	06-01-2023	5500
Skechers	aarti@gmail.com	07-02-2023	5500
Woodland	aarti@gmail.com	01-05-2023	8000
Woodland	ankita@gmail.com	06-03-2023	8000

SQL Database Records

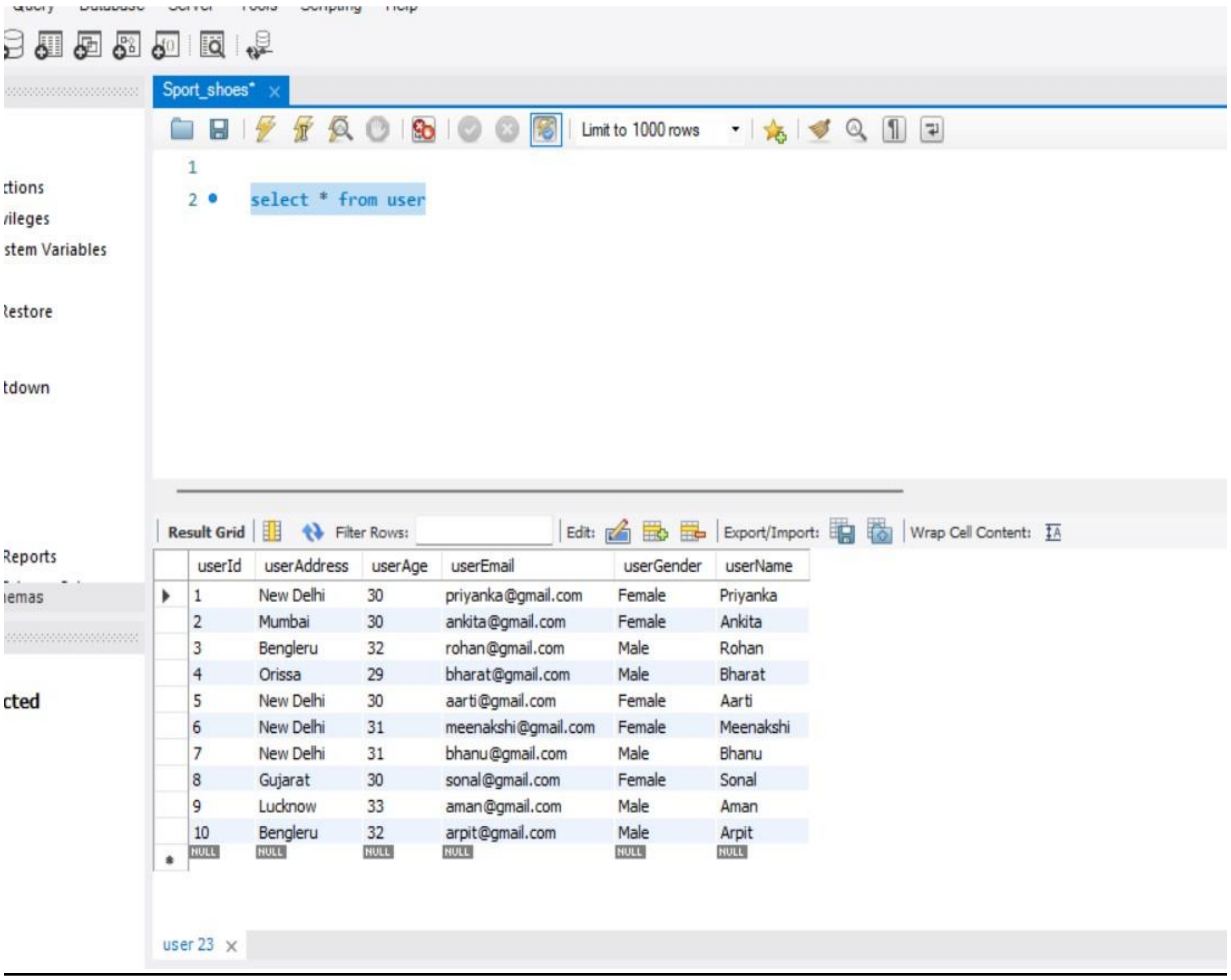
Admin Table



```
select * from admin
```

	email	password
▶	garimasgv01991@gmail.com	garimA@1991
*	NULL	NULL

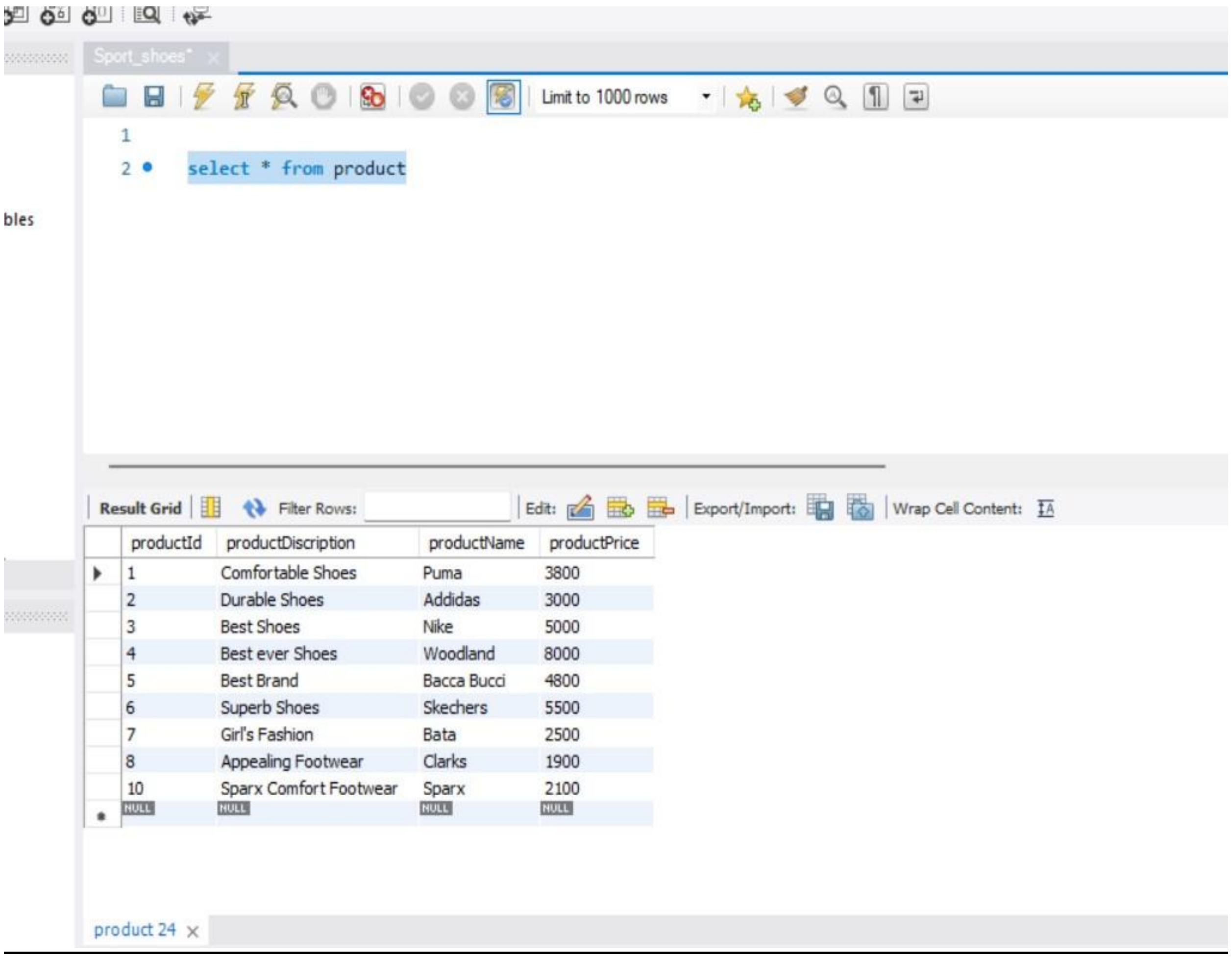
User Table



```
select * from user
```

userId	userAddress	userAge	userEmail	userGender	userName
1	New Delhi	30	priyanka@gmail.com	Female	Priyanka
2	Mumbai	30	ankita@gmail.com	Female	Ankita
3	Bengleru	32	rohan@gmail.com	Male	Rohan
4	Orissa	29	bharat@gmail.com	Male	Bharat
5	New Delhi	30	aarti@gmail.com	Female	Aarti
6	New Delhi	31	meenakshi@gmail.com	Female	Meenakshi
7	New Delhi	31	bhanu@gmail.com	Male	Bhanu
8	Gujarat	30	sonal@gmail.com	Female	Sonal
9	Lucknow	33	aman@gmail.com	Male	Aman
10	Bengleru	32	arpit@gmail.com	Male	Arpit
NULL	NULL	NULL	NULL	NULL	NULL

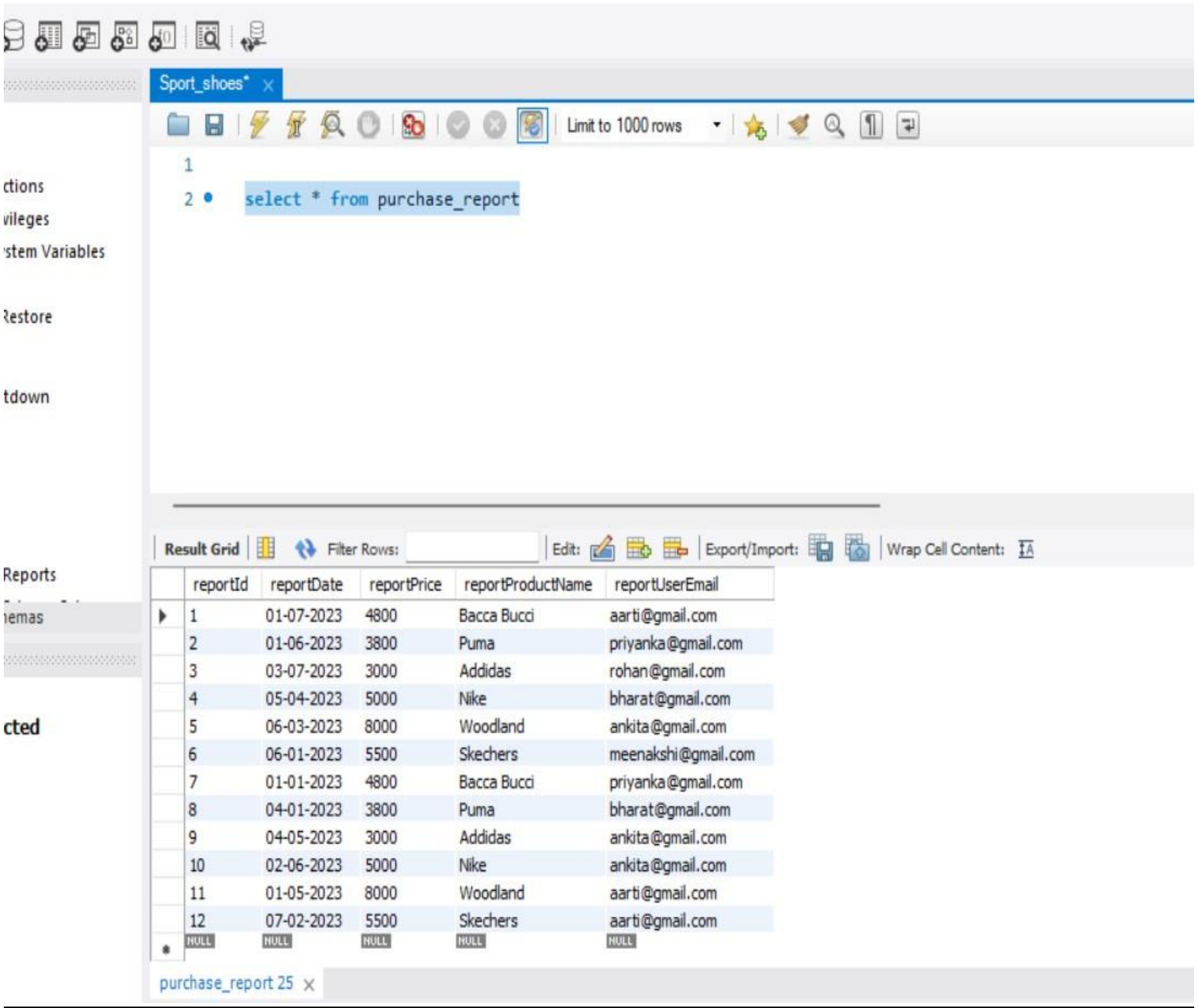
Product Table



```
select * from product
```

productId	productDiscription	productName	productPrice
1	Comfortable Shoes	Puma	3800
2	Durable Shoes	Addidas	3000
3	Best Shoes	Nike	5000
4	Best ever Shoes	Woodland	8000
5	Best Brand	Bacca Bucci	4800
6	Superb Shoes	Skechers	5500
7	Girl's Fashion	Bata	2500
8	Appealing Footwear	Clarks	1900
10	Sparx Comfort Footwear	Sparx	2100
NULL	NULL	NULL	NULL

<u>Purchase_Report Table</u>



```
select * from purchase_report
```

reportId	reportDate	reportPrice	reportProductName	reportUserEmail
1	01-07-2023	4800	Bacca Bucci	aarti@gmail.com
2	01-06-2023	3800	Puma	priyanka@gmail.com
3	03-07-2023	3000	Addidas	rohan@gmail.com
4	05-04-2023	5000	Nike	bharat@gmail.com
5	06-03-2023	8000	Woodland	ankita@gmail.com
6	06-01-2023	5500	Skechers	meenakshi@gmail.com
7	01-01-2023	4800	Bacca Bucci	priyanka@gmail.com
8	04-01-2023	3800	Puma	bharat@gmail.com
9	04-05-2023	3000	Addidas	ankita@gmail.com
10	02-06-2023	5000	Nike	ankita@gmail.com
11	01-05-2023	8000	Woodland	aarti@gmail.com
12	07-02-2023	5500	Skechers	aarti@gmail.com
NULL	NULL	NULL	NULL	NULL

Your conclusion on enhancing the application and defining the USPs (Unique Selling Points):

A website with simple user interface and user experience.

A website which is handled by admin to maintain data of the website.

Admin can change its password by clicking on forgot password.

Admin can see the product, purchase reports and users in website (track all data of the website).

Admin can delete the product also.

Admin can search the user by their specified email id.

Some USPs **–**

The application works very smoothly while taking inputs from the user.

The admin can handles the web application easily.

The admin can change the password if he forgets.

The admin can track all the data on the website such as see available products, users, Purchase reports.

The admin can search the users by their emails.

The admin can delete the products also.

GiHub Repository link:

https://github.com/garimakumar/Phase-3-Make-an-E-commerce-Website-for-Sporty-Shoes.git