Bank Management – Case Study

Various SpringBoot dependencies are injected in pom.xml to perform spring boot functions

```
■ BankManagement/pom.xml 🛭
BankManagementApplication.java
     k?xml version="1.0" encoding="UTF-8"?>
    <modelVersion>4.0.0</modelVersion>
             <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-parent</artifactId>
             <relativePath/> <!-- lookup parent from repository -->
         <groupId>com.wipro</groupId>
         <artifactId>BankManagement</artifactId>
<version>0.0.1-SNAPSHOT</version>
         <name>BankManagement<description>Demo project for Spring Boot</description>
  16⊖
17
18
         properties>
             <java.version>1.8</java.version>
         </properties>
   19⊖
20⊝
         <dependencies>
     <dependency>
              </dependency>
  23
24
            <dependency)
  26
27
                <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-test</artifactId>
             <scope>test</scope>
         </dependencies>
         <build>
                 <plugin>
                    </plugin>
             </plugins>
         </build>
   41 </project>
```

 ${\bf Bank Management Application \ main \ class \ is \ created \ to \ initialize \ @SpringBootApplication}$

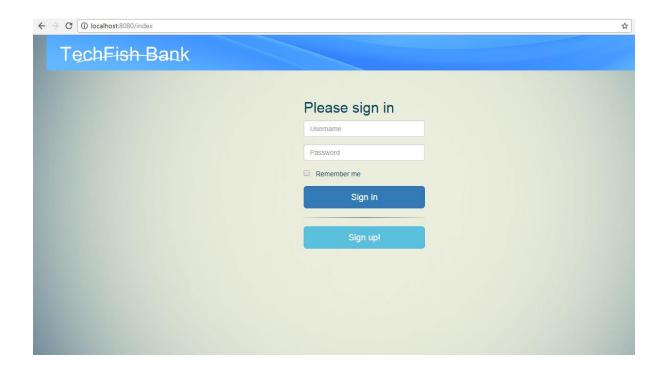
Annotation.

HomeController is used to get the page URL http://localhost:8080/index to get the login page.

The URL is mapped using @RequestMapping Annotation

```
☑ BankManagementApplication.java
                                ■ BankManagement/pom.xml
 package com.wipro.BankManagement.controller;
 3⊕ import org.springframework.stereotype.Controller; [
 5
 6 @Controller
 7 public class HomeController {
 8⊝
       @RequestMapping("/")
 9
        public String home() {
10
            return "redirect:/index";
11
12
      @RequestMapping("/index")
13⊝
14
       public String index() {
15
            return "index";
16
        }
17
18
19
20
21
```

The first login page of the project



User class in the project is used to store the details of the customer in the Lists

Such as userID, username, password, firstName, LastName, email, phone

```
import java.util.List;
                              public class User {
    private Long userId;
    private String username;
    private String password;
    private String firstName;
    private String lastName;
    private String lastName;
    private String emple.
           public void setLastName(String lastName) {
   this.lastName = lastName;
                                  public void setEmail(String email) {
   this.email = email;
                               public void setPhone(String phone) {
   this.phone = phone;
                                  public boolean isEnabled() {
   return enabled;
                                 public void setEnabled(boolean enabled) {
   this.enabled = enabled;
                                     public PrimaryAccount getPrimaryAccount() {
    return primaryAccount;
                                 public void setPrimaryAccount(PrimaryAccount primaryAccount) {
    this.primaryAccount = primaryAccount;
                                  public SavingsAccount getSavingsAccount() {
    return savingsAccount;
                                    public void setSavingsAccount(SavingsAccount savingsAccount) {
    this.savingsAccount = savingsAccount;
public ListcAppointment getAppointmentList() {
    return appointmentList;
}

public void setAppointmentList(ListcAppointment) i
    this.appointmentList = appointmentList;
}

public void setAppointmentList(ListcAppointment) i
    public ListcRecipientList;
}

public void setRecipientList() {
    return recipientList;
}

public void setRecipientList(ListcRecipient) recipientList;
}

public void setRecipientList(ListcRecipient) recipientList;
}

public void setRecipientList = recipientList;
}

public void setRecipientList(ListcRecipient) recipientList;
}

public void setRecipientList = recipientList;
}

public void setRecipientList = recipientList;
}

public void setRecipientList = recipientList;
}

public void setRecipientList(ListcRecipient) recipientList;
}

public void setRecipientList(ListcRecipient) recipientList;
}

public void setRecipientList(ListcRecipient) recipientList() {
    return recipientList = recipientList() {
    return recipientList
                                        public void setAppointmentList(List<Appointment> appointmentList) {
    this.appointmentList = appointmentList;
                                      public void setRecipientList(List<Recipient> recipientList) {
   this.recipientList = recipientList;
```

Various classes SavingsAccount, SvaingsTransaction, Reciepent are used to perform the transaction among the accounts.

BankManagementApplicationTest is the testing class which is used to run the Junit testing using @test Annotation

