UserController

package **com.weaverloft.ganttchart.controller**;  
  
import **com.weaverloft.ganttchart.Service.**UsersService;  
import **com.weaverloft.ganttchart.dto.Users**;  
import **org.springframework.stereotype.Controller**;  
import **org.springframework.web.bind.annotation.**\*;  
  
import **javax.servlet.http.**HttpServletRequest;  
import **javax.servlet.http.**HttpServletResponse;  
import **javax.servlet.http.**HttpSession;  
import **java.util.Date**;  
import **java.util.**Map;  
  
@Controller  
public class **UsersController** {  
 private UsersService usersService;  
 public UsersController(UsersService usersService) {  
 this.usersService=usersService;  
 }  
  
 //1. 로그인 페이지  
 **@GetMapping**(**"/login"**)  
 public **String** login(HttpServletRequest request){  
 return **"login"**;  
 }  
 //2. 로그인 액션  
 **@PostMapping**(**"/login-action"**)  
 public **String** loginAction(HttpServletRequest request,  
 HttpServletResponse response,  
 **@RequestParam**(**"id"**) **String** id, **@RequestParam**(**"password"**)**String** password) throws **Exception**{  
 HttpSession session=request.**getSession**();  
 **String** forwardPath=**""**;  
 try{  
 //System.out.println(users);  
 **System**.*out*.**println**(**"id: "**+id+**"/ password: "**+password);  
 **Users** loginUser=usersService.**findUsersById**(id);  
 //usersService.login(users.getId(),users.getPassword());  
 **System**.*out*.**println**(loginUser);  
 if(loginUser!=null){  
 session.**setAttribute**(**"loginUser"**, loginUser);  
 forwardPath=**"index"**;  
 } else{  
 forwardPath=**"login"**;  
 }  
 } catch (**Exception** e){  
 e.**printStackTrace**();  
 }  
 return forwardPath;  
 }  
  
 //2. 회원가입 페이지  
 **@GetMapping**(**"/register"**)  
 public **String** register(){  
 return **"register"**;  
 }  
  
 //3. 회원가입 액션  
 **@PostMapping**(**"register-action"**)  
 public **String** registerAction(**@RequestParam** Map<**String**,**Object**> map) throws **Exception**{  
 **String** forwardPath=**""**;  
 try{  
 /\*  
 Map에 담긴 String 타입의 birth Date 타입으로 변경  
 String birthStr=(String)map.get("birth");  
 SimpleDateFormat birthFormat=new SimpleDateFormat("yyyy-MM-dd");  
 Date birth=birthFormat.parse(birthStr);  
 System.out.println(birth.getClass().getName());  
 \*/  
  
 //회원 사진 업로드  
  
 **Users** newUser=new **Users**((**String**)map.**get**(**"id"**),  
 0,  
 (**String**)map.**get**(**"password"**),  
 (**String**)map.**get**(**"name"**),  
 (**String**)map.**get**(**"photo"**),  
 new **Date**(),  
 0,  
 (**String**)map.**get**(**"phone"**),  
 (**String**)map.**get**(**"address"**),  
 (**String**)map.**get**(**"email"**),  
 0);  
 **System**.*out*.**println**(newUser);  
 //String forwardPath= (String)map.get("id");  
 //System.out.println("id : " + forwardPath);  
 //Users createUser=new Users((String)id,0,password,name,photo,birth,0,phone,address,email,0);  
 int result;  
 /\*  
  
 result=usersService.createUsers(createUser);  
 if(result == 1){  
 //회원가입 성공  
 forwardPath="/login";  
 \*/  
 } catch (**Exception** e) {  
 **System**.*out*.**println**(**"회원가입 실패"**);  
 e.**printStackTrace**();  
 forwardPath=**"/register"**;  
 }  
 return forwardPath;  
 }  
  
 //3. 파일 업로드  
  
  
 //3. 비밀번호 찾기 페이지  
 **@GetMapping**(**"/findPassword"**)  
 public **String** findPassword(HttpServletRequest request) throws **Exception**{  
 return **"/findPassword"**;  
 }  
 //3. 아이디 찾기 페이지  
 **@GetMapping**(**"/findId"**)  
 public **String** findId(HttpServletRequest request) throws **Exception**{  
 return **"/findId"**;  
 }  
  
 //3. 내정보 확인 페이지  
 **@GetMapping**(**"/mypage"**)  
 public **String** mypage(HttpServletRequest request) throws **Exception**{  
 **String** forwardPath=**""**;  
 HttpSession session = request.**getSession**();  
 **Users** loginUser=(**Users**)session.**getAttribute**(**"loginUser"**);  
 **System**.*out*.**println**(**"loginUser >> "**+loginUser);  
 if(loginUser ==null){  
 forwardPath=**"/login"**;  
 }  
 loginUser=usersService.**findUsersById**(loginUser.**getId**());  
 request.**setAttribute**(**"loginUser"**,loginUser);  
 **System**.*out*.**println**(loginUser);  
 forwardPath=**"/mypage"**;  
 return forwardPath;  
 }  
  
}

UserServiceImpl

package **com.weaverloft.ganttchart.Service**;  
  
import **com.weaverloft.ganttchart.dao.**UsersDao;  
import **com.weaverloft.ganttchart.dto.Users**;  
import **org.springframework.stereotype.Service**;  
  
import **java.util.regex.Matcher**;  
import **java.util.regex.Pattern**;  
  
@Service  
public class **UsersServiceImpl** implements UsersService{  
 private UsersDao usersDao;  
  
 public UsersServiceImpl(UsersDao usersDao) {  
 **System**.*out*.**println**(**"UserServiceImpl 생성"**);  
 this.usersDao=usersDao;  
 }  
  
 **@Override**  
//1. 회원가입  
 public int createUsers(**Users** users) throws **Exception** {  
 int result;  
 //비밀번호 유효성 검증  
 try{  
 **isValidPassword**(users.**getPassword**());  
 } catch (**Exception** e){  
 e.**getMessage**();  
 }  
 //아이디 중복 확인  
 int existedUser=usersDao.**isExistedId**(users.**getId**());  
 if(existedUser==1){  
 **System**.*out*.**println**(**"존재하는 아이디입니다."**);  
 }  
 result=usersDao.**createUsers**(users);  
 return result;  
 }  
  
 /\*  
 1-1. 비밀번호 유효성 검증  
 1) 8~15글자  
 2) 영어, 숫자, 특수문자 포함  
 3) 공백 안됨  
 4)  
 \*/  
 public **String** isValidPassword(**String** password){  
 //정규식 검사 객체  
 **Matcher** matcher;  
 //영어, 숫자, 특수문자 포함한 min~max 글자 정규식  
 final **String** REGEX= **"^(?=.\*[a-zA-Z])(?=.\*[0-9])(?=.\*[^a-zA-Z0-9]).{8,15}$"**;  
 //공백 문자 정규식  
 final **String** BLANKPT=**"(**\\**s)"**;  
  
 if(password == null || password.**isEmpty**()){  
 //입력한 내용이 없을 경우  
 return **"문자를 입력하세요"**;  
 } else if(password.**length**()<8 || password.**length**()>15){  
 //8~15글자의 비밀번호  
 return **"비밀번호는 8글자 이상 15글자 이하입니다."**;  
 } else if(password.**matches**(REGEX)){  
 //영문, 숫자, 특수문자 포함 확인  
 return **"비밀번호는 영문, 숫자, 특수문자를 모두 포함해야 합니다."**;  
 } else if(**Pattern**.*compile*(BLANKPT).**matcher**(password).**find**()){  
 //공백 포함된 경우  
 return **"비밀번호에는 공백이 포함될 수 없습니다."**;  
 } else{  
 //성공  
 return **"사용 가능한 비밀번호입니다."**;  
 }  
 }  
  
 **@Override**  
//2. 내 정보 조회  
 public **Users** findUsersById(**String** id) throws **Exception** {  
 **Users** users=usersDao.**findUsersById**(id);  
 return users;  
 }  
  
 **@Override**  
//3. 정보 수정  
 public int updateUsers(**Users** users) throws **Exception** {  
 int result;  
 result=usersDao.**updateUsers**(users);  
 return result;  
 }  
  
 **@Override**  
//4. 회원 탈퇴  
 public int deleteUsers(**String** id) throws **Exception** {  
 int result;  
 result=usersDao.**deleteUsers**(id);  
 return result;  
 }  
  
 **@Override**  
//5. 비밀번호 변경  
 public int updatePassword(**String** id, **String** password, **String** email) throws **Exception** {  
 int result;  
 result=usersDao.**updatePassword**(id,password,email);  
 return result;  
 }  
  
 **@Override**  
//6. 로그인  
 public **Users** login(**String** id, **String** password) throws **Exception** {  
 **Users** users=usersDao.**findUsersById**(id);  
 if(users==null){  
 **System**.*out*.**println**(users.**getId**()+**"는 존재하지 않는 아이디입니다"**);  
 }  
 int result;  
 result=usersDao.**isMatchPassword**(id,password); //0(실패), 1(성공)  
 if(result == 0){  
 **System**.*out*.**println**(**"비밀번호가 일치하지 않습니다."**);  
 }  
 return users;  
 }  
  
 **@Override**  
//7. 아이디 찾기  
 public **String** findUsersByIdEmail(**String** id, **String** email) throws **Exception** {  
 int result;  
 result=usersDao.**isExistedUsersByIdEmail**(id,email);  
 if(result == 0){  
 **System**.*out*.**println**(**"회원이 존재하지 않습니다."**);  
 }  
 return id;  
 }  
}

UserMapper.xml

<?xml version**="1.0"** encoding**="UTF-8"**?>  
<!DOCTYPE mapper PUBLIC **"-//mybatis.org//DTD Mapper 3.0//EN" "http://mybatis.org/dtd/mybatis-3-mapper.dtd"**>  
<mapper namespace**="com.weaverloft.ganttchart.mapper.UsersMapper"**>  
 <!-- 1. 회원가입 -->  
 <insert id**="createUsers"** parameterType**="com.weaverloft.ganttchart.dto.Users"**>  
 insert into users(id,grade,password,name,photo,birth,gender,phone,address,email,IS\_EMAIL\_AUTH)  
 values(#{id},0,#{password},#{name},'default.jpg',#{birth},0,#{phone},#{address},#{email},0)  
 </insert>  
 <!--2. 내 정보 조회 -->  
 <select id**="findUsersById"** parameterType**="java.lang.String"** resultType**="com.weaverloft.ganttchart.dto.Users"**>  
 select \* from USERS where id = #{id}  
 </select>  
 <!--3. 정보 수정 -->  
 <update id**="updateUsers"** parameterType**="com.weaverloft.ganttchart.dto.Users"**>  
 update USERS  
 set name=#{name}, PHOTO=#{photo}, BIRTH=#{birth}, GENDER=#{gender}, phone=#{phone}, ADDRESS=#{address}, EMAIL=#{email}  
 where id=#{id}  
 </update>  
 <!-- 4. 회원 탈퇴  
 <delete id="deleteUsers" parameterType="java.lang.String">  
 delete users where id=#{id}  
 </delete>  
 -->  
 <!-- 5. 비밀번호 변경  
 <update id="updatePassword" parameterType="java.util.Map">  
 update USERS set password=#{password} where id=#{id} and email=#{email}  
 </update>  
 -->  
 <!-- 6. 비밀번호 일치 확인-->  
 <select id**="isMatchPassword"** parameterType**="java.lang.String"** resultType**="java.lang.Integer"**>  
 select count(\*) from USERS where id=#{id} and password=#{password}  
 </select>  
 <!-- 7. 아이디 중복 체크 -->  
 <select id**="isExistedId"** parameterType**="java.lang.String"** resultType**="java.lang.Integer"**>  
 select count(\*) from USERS where id=#{id}  
 </select>  
 <!-- 8. 이메일, 이름으로 회원 존재여부 확인  
 <select id="isExistedUsersByIdEmail" parameterType="java.util.Map" resultType="java.lang.Integer">  
 select count(\*) from USERS where id=#{id} and email=#{email}  
 </select>  
 -->  
 <!-- 9. 메일 인증번호 업데이트  
 <update id="updateMailKey" parameterType="com.weaverloft.ganttchart.dto.EmailAuth">  
 UPDATE EMAIL\_AUTH  
 SET mail\_key = #{mailKey}  
 WHERE id = #{id}  
 </update>  
 -->  
 <!-- 10. 메일 인증여부 업데이트  
 <update id="updateMailAuth" parameterType="com.weaverloft.ganttchart.dto.Users">  
 UPDATE users  
 SET IS\_EMAIL\_AUTH = 1  
 WHERE email = #{email}  
 </update>  
 -->  
</mapper>

Login.jsp

<%--  
 Created by IntelliJ IDEA.  
 User: jyn93  
 Date: 2023-08-08  
 Time: 오전 9:17  
 To change this template use File | Settings | File Templates.  
--%>  
<%@ **page contentType="text/html;charset=UTF-8" language="java" pageEncoding="UTF-8"%>**  
**<html>**  
**<head>**  
 **<meta** charset="utf-8" />  
 <meta http-equiv="X-UA-Compatible" content="IE=edge" />  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />  
 <meta name="description" content="" />  
 <meta name="author" content="" />  
 <title>Login - SB Admin</title>  
 <link href="css/styles.css" rel="stylesheet" />  
 <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js" crossorigin="anonymous"></script>  
</head>  
<body class="bg-primary">  
<div id="layoutAuthentication">  
 <div id="layoutAuthentication\_content">  
 <main>  
 <div class="container">  
 <div class="row justify-content-center">  
 <div class="col-lg-5">  
 <div class="card shadow-lg border-0 rounded-lg mt-5">  
 <div class="card-header"><h3 class="text-center font-weight-light my-4">Login</h3></div>  
 <div class="card-body">  
 <form method="post" action="login-action">  
 <div class="form-floating mb-3">  
 <input class="form-control" id="inputId" name="id" type="text" placeholder="ID" />  
 <label for="inputId">ID</label>  
 </div>  
 <div class="form-floating mb-3">  
 <input class="form-control" id="password" name="password" type="password" placeholder="Password" />  
 <label for="password">Password</label>  
 </div>  
 <div class="form-check mb-3">  
 <input class="form-check-input" id="inputRememberPassword" type="checkbox" value="" />  
 <label class="form-check-label" for="inputRememberPassword">Remember Password</label>  
 </div>  
 <div class="d-flex align-items-center justify-content-between mt-4 mb-0">  
 <input style="float:left;" class="small" type="button" value="Forgot Id?" onclick="***location***.href=**'/findId'**">  
 <input style="float:left;" class="small" type="button" value="Forgot Password?" onclick="***location***.href=**'/findPassword'**">  
 <button class="btn btn-primary" type="submit">Login</button>  
 <!--  
 <a class="small" href="password">Forgot Password?</a>  
 <a class="btn btn-primary" href="index">Login</a>  
 -->  
 </div>  
 </form>  
 </div>  
 <div class="card-footer text-center py-3">  
 <div class="small"><a href="register">Need an account? Sign up!</a></div>  
 </div>  
 </div>  
 </div>  
 </div>  
 </div>  
 </main>  
 </div>  
 <div id="layoutAuthentication\_footer">  
 <footer class="py-4 bg-light mt-auto">  
 <div class="container-fluid px-4">  
 <div class="d-flex align-items-center justify-content-between small">  
 <div class="text-muted">Copyright &copy; Your Website 2023</div>  
 <div>  
 <a href="#">Privacy Policy</a>  
 &middot;  
 <a href="#">Terms &amp; Conditions</a>  
 </div>  
 </div>  
 </div>  
 </footer>  
 </div>  
</div>  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" crossorigin="anonymous"></script>  
<script src="js/scripts.js"></script>  
</body>  
</html>

Register.jsp

<%--  
 Created by IntelliJ IDEA.  
 User: jyn93  
 Date: 2023-08-08  
 Time: 오전 9:18  
 To change this template use File | Settings | File Templates.  
--%>  
<%@ **page contentType="text/html;charset=UTF-8" language="java" pageEncoding="UTF-8" %>**  
**<html>**  
**<head>**  
 **<meta** charset="utf-8" />  
 <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />  
 <meta name="description" content="" />  
 <meta name="author" content="" />  
 <title>Register - SB Admin</title>  
 <link href="css/styles.css" rel="stylesheet" />  
 <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js" crossorigin="anonymous"></script>  
 <!-- 다음 주소 API 사용 -->  
 <script src="//t1.daumcdn.net/mapjsapi/bundle/postcode/prod/postcode.v2.js"></script>  
  
 <link rel="stylesheet" href="//code.jquery.com/ui/1.12.1/themes/base/jquery-ui.css">  
 <link rel="stylesheet" href="/resources/demos/style.css">  
 <script src="https://code.jquery.com/jquery-1.12.4.js"></script>  
 <script src="https://code.jquery.com/ui/1.12.1/jquery-ui.js"></script>  
 <script>  
 //1. 주소 apo --> 한글 깨짐 수정해야 함  
 ***window***.onload=function() {  
 ***document***.getElementById(**'createAddress'**).addEventListener(**'click'**, function () {  
 new daum.Postcode({  
 oncomplete: function (data) { //선택시 입력값 세팅  
 ***document***.getElementById(**"createAddress"**).value = data.address; // 주소 넣기  
 ***document***.querySelector(**"input[name=detailedAddress]"**).focus(); //상세입력 포커싱  
 }  
 }).open();  
 })  
 };  
 //2. datepicket  
 $( function() {  
 $( **"#datepicker"** ).datepicker({ dateFormat: **'yyyy-MM-dd'** }); //시간되면 년도 옮기는 옵션 추가하기  
 } );  
 //3. 회원가입 버튼 클릭  
 /\*  
 function createUser(){  
 if(document.getElementById('id').value == ''){  
 alert('아이디를 입력하세요');  
 newUserInfo.id.focus();  
 } else if(document.getElementById('password').value ==''){  
 alert('비밀번호를 입력하세요');  
 newUserInfo.password.focus();  
 } else if(document.getElementById('name') == ''){  
 alert('이름을 입력하세요');  
 newUserInfo.name.focus();  
 } else if(document.getElementById('phone') == ''){  
 alert('전화번호를 입력하세요');  
 newUserInfo.phone.focus();  
 } else if(document.getElementById('address') == ''){  
 alert('주소를 입력하세요');  
 newUserInfo.address.focus();  
 } else if(document.getElementById('password') == document.getElementById('passwordConfirm')){  
 alert('비밀번호와 비밀번호 확인은 일치하여야 합니다.');  
 newUserInfo.passwordConfirm.focus();  
 }  
 newUserInfo.action='register-action';  
 newUserInfo.method='POST';  
 newUserInfo.submit();  
 userImage.submit();  
 };  
  
 \*/  
 </script>  
</head>  
<body class="bg-primary">  
<div id="layoutAuthentication">  
 <div id="layoutAuthentication\_content">  
 <main>  
 <div class="container">  
 <div class="row justify-content-center">  
 <div class="col-lg-9">  
 <div class="card shadow-lg border-0 rounded-lg mt-5">  
 <div class="card-header"><h3 class="text-center font-weight-light my-4">Create Account</h3></div>  
 <div class="card-body">  
 <table>  
 <tr>  
 <form id="newUserInfo" accept-charset="utf-8">  
 <td>  
 <div class="row mb-3">  
 <div class="col-md-6">  
 <div class="form-floating mb-3 mb-md-0">  
 <input class="form-control" id="id" name="id" type="text" placeholder="ID" />  
 <label for="id">ID</label>  
 </div>  
 </div>  
 <div class="col-md-6">  
 <div class="form-floating">  
 <input class="form-control" id="name" name="name" type="text" placeholder="Name" />  
 <label for="name">Name</label>  
 </div>  
 </div>  
 </div>  
 <div class="form-floating mb-3">  
 <input class="form-control" id="email" name="email" type="email" placeholder="Email" />  
 <label for="email">Email address</label>  
 </div>  
 <div class="row mb-3">  
 <div class="col-md-6">  
 <div class="form-floating mb-3 mb-md-0">  
 <input class="form-control" id="password" name="password" type="text" placeholder="Password" />  
 <label for="password">Password</label>  
 </div>  
 </div>  
 <div class="col-md-6">  
 <div class="form-floating mb-3 mb-md-0">  
 <input class="form-control" id="passwordConfirm" name="passwordConfirm" type="password" placeholder="Confirm password" />  
 <label for="passwordConfirm">Confirm Password</label>  
 </div>  
 </div>  
 <!-- <input value="영문, 숫자, 특수문자를 포함한 8글자 이상 15글자 이하"> -->  
 </div>  
 <div class="form-floating mb-3">  
 <input class="form-control" id="phone" name="phone" type="text" placeholder="Phone number" />  
 <label for="phone">Phone</label>  
 </div>  
 <div class="form-floating mb-3">  
 <input class="form-control" id="address" name="address" type="text" placeholder="Address" />  
 <label for="address">Address</label>  
 </div>  
 <div class="form-floating mb-3">  
 <input class="form-control" id="detailedAddress" name="detailedAddress" type="text" placeholder="Detailed Address" />  
 <label for="detailedAddress">Detailed Address</label>  
 </div>  
 <div class="row mb-3">  
 <div class="col-md-6">  
 <div class="form-floating mb-3 mb-md-0">  
 <input class="form-control" id="gender" name="gender" type="text" placeholder="Gender" />  
 <!-- toggle로 해서 gender 0:남자 / 1: 여자 숫자 value로 할 예정 -->  
 <label for="gender">Gender</label>  
 </div>  
 </div>  
 <div class="col-md-6">  
 <div class="form-floating mb-3 mb-md-0">  
 <input class="form-control" id="datepicker" name="birth" type="text" />  
 <label for="datepicker">Birth</label>  
 </div>  
 </div>  
 </div>  
 <div class="mt-4 mb-0">  
 <div class="d-grid">  
 <button class="btn btn-primary btn-block" type="submit">Create Account</button>  
 </div>  
 </div>  
 </td>  
 </form>  
 <form id="userImage" method="post" enctype="multipart/form-data">  
 <td>  
 <!-- 회원가입 시 사진 업로드 부분 -->  
 <div class="mt-4 mb-0">  
 <input type="file" name="uploadfile" multiple>  
 </div>  
 </td>  
 </form>  
 </tr>  
 </table>  
 </div>  
 <div class="card-footer text-center py-3">  
 <div class="small"><a href="login">Have an account? Go to login</a></div>  
 </div>  
 </div>  
 </div>  
 </div>  
 </div>  
 </main>  
 </div>  
 <div id="layoutAuthentication\_footer">  
 <footer class="py-4 bg-light mt-auto">  
 <div class="container-fluid px-4">  
 <div class="d-flex align-items-center justify-content-between small">  
 <div class="text-muted">Copyright &copy; Your Website 2023</div>  
 <div>  
 <a href="#">Privacy Policy</a>  
 &middot;  
 <a href="#">Terms &amp; Conditions</a>  
 </div>  
 </div>  
 </div>  
 </footer>  
 </div>  
</div>  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js" crossorigin="anonymous"></script>  
<script src="js/scripts.js"></script>  
</body>  
</html>