**Online Collaboration**

**🡪** Create a SpringBoot project named OnlineCollaborate with web, Spring Data JPA, SpringBoot Dev Tools and MySQL Server Driver packages. Extract that project

🡪 Import the project in Eclipse.

🡪Open **package** com.coll.OnlineCollaborate;

🡪Create **package** com.coll.OnlineCollaborate.config;

🡪Configuration File as HibernateConfig:-

package com.coll.OnlineCollaborate.config;

import java.util.Properties;

import javax.sql.DataSource;

import org.hibernate.SessionFactory;

import org.springframework.boot.autoconfigure.EnableAutoConfiguration;

import org.springframework.boot.autoconfigure.orm.jpa.HibernateJpaAutoConfiguration;

import org.springframework.context.annotation.Bean;

import org.springframework.context.annotation.ComponentScan;

import org.springframework.context.annotation.ComponentScans;

import org.springframework.context.annotation.Configuration;

import org.springframework.jdbc.datasource.DriverManagerDataSource;

import org.springframework.orm.hibernate5.HibernateTransactionManager;

import org.springframework.orm.hibernate5.LocalSessionFactoryBean;

import org.springframework.orm.hibernate5.LocalSessionFactoryBuilder;

import org.springframework.transaction.annotation.EnableTransactionManagement;

import org.springframework.web.servlet.ViewResolver;

import org.springframework.web.servlet.view.InternalResourceViewResolver;

@Configuration

@ComponentScans(value= {@ComponentScan("com.coll.OnlineCollaborate"),

@ComponentScan("model"),

@ComponentScan("controller"),

@ComponentScan("dao"),

@ComponentScan("daoImpl"),

@ComponentScan("config"),

@ComponentScan("serviceImpl"),

@ComponentScan("service"),

@ComponentScan("service")})

@EnableAutoConfiguration(exclude = {HibernateJpaAutoConfiguration.class})

@EnableTransactionManagement

public class HibernateConfig {

public static final String DATABASE\_URL="jdbc:mysql://localhost:3306/collaboration";

public static final String DATABASE\_DRIVER="com.mysql.cj.jdbc.Driver";

public static final String DATABASE\_DIALECT="org.hibernate.dialect.MySQLDialect";

public static final String DATABASE\_USERNAME="root";

public static final String DATABASE\_PASSWORD="ganesh@7";

@Bean(name="dataSource")

public DataSource getDataSource() {

DriverManagerDataSource dataSource=new DriverManagerDataSource();

dataSource.setDriverClassName(DATABASE\_DRIVER);

dataSource.setUrl(DATABASE\_URL);

dataSource.setUsername(DATABASE\_USERNAME);

dataSource.setPassword(DATABASE\_PASSWORD);

return dataSource;

}

@Bean

public LocalSessionFactoryBean getSessionFactory() {

LocalSessionFactoryBean sessionFactory = new LocalSessionFactoryBean();

sessionFactory.setDataSource(getDataSource());

sessionFactory.setPackagesToScan("com.coll.OnlineCollaborate");

Properties hibernateProperties =new Properties();

hibernateProperties.put("hibernate.dialect",DATABASE\_DIALECT);

hibernateProperties.put("hibernate.show\_sql","true");

hibernateProperties.put("hibernate.hbm2ddl.auto","update");

sessionFactory.setHibernateProperties(hibernateProperties);

return sessionFactory;

}

@Bean

public HibernateTransactionManager getTransactionManger() {

HibernateTransactionManager txm=new HibernateTransactionManager();

txm.setSessionFactory(getSessionFactory().getObject());

return txm;

}

@Bean

public ViewResolver jspViewResolver() {

InternalResourceViewResolver viewResolver= new InternalResourceViewResolver();

viewResolver.setPrefix("/views/");

viewResolver.setSuffix(".jsp");

return viewResolver;

}

}

🡪Create Schema as Collaboration

🡪Active Collaboration Schema by following commend

Use Collaboration;

🡪Create Tables

1.User Table:-

create table User(

userId int not null auto\_increment,

firstName varchar(30),

lastName varchar(30),

username varchar(20),

password varchar(30),

email varchar(30),

role varchar(30),

status varchar(10),

isOnline boolean,

enabled boolean,

primary key(userId)

);

2.Blog Table

create table Blog (

blogId integer not null auto\_increment,

blogContent varchar(255),

blogPosted date,

blogTitel varchar(255),

noFoComments integer not null,

noOfLikes integer not null,

noOfViews integer not null,

status varchar(255),

userId integer not null,

username varchar(255),

foreign key (userId) references User (userId),

primary key (blogId));

3.BlogComments Table;-

create table BlogComments (

blogCommentId integer not null auto\_increment,

blogComment varchar(255),

currentDate date,

onOfLikes integer not null,

titel varchar(255),

userId integer not null,

userProfileId varchar(255),

username varchar(255),

blogId integer ,

foreign key (blogId) references Blog (blogId),

primary key (blogCommentId));

🡪Create **package** com.coll.OnlineCollaborate.model

🡪 Create model classes:

1.User Class

package com.coll.OnlineCollaborate.model;

import java.io.Serializable;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Transient;

public class User extends DomainResponse implements Serializable {

private static final long serialVersionUID=1L;

@Id

@GeneratedValue(strategy=GenerationType.IDENTITY)

private int userId;

private String firstName;

private String lastName;

private String username;

private String password;

@Transient

private String confirmPassword;

private String email;

private String role;

private String status;

private boolean isOnline;

private boolean enabled;

public int getUserId() {

return userId;

}

public void setUserId(int userId) {

this.userId = userId;

}

public String getFirstName() {

return firstName;

}

public void setFirstName(String firstName) {

this.firstName = firstName;

}

public String getLastName() {

return lastName;

}

public void setLastName(String lastName) {

this.lastName = lastName;

}

public String getUsername() {

return username;

}

public void setUsername(String username) {

this.username = username;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getConfirmPassword() {

return confirmPassword;

}

public void setConfirmPassword(String confirmPassword) {

this.confirmPassword = confirmPassword;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getRole() {

return role;

}

public void setRole(String role) {

this.role = role;

}

public String getStatus() {

return status;

}

public void setStatus(String status) {

this.status = status;

}

public boolean isOnline() {

return isOnline;

}

public void setOnline(boolean isOnline) {

this.isOnline = isOnline;

}

public boolean isEnabled() {

return enabled;

}

public void setEnabled(boolean enabled) {

this.enabled = enabled;

}

}

2.Blog:-

package com.coll.OnlineCollaborate.model;

import java.io.Serializable;

import java.time.LocalDate;

import java.util.List;

import javax.persistence.CascadeType;

import javax.persistence.Entity;

import javax.persistence.FetchType;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.OneToMany;

import org.springframework.stereotype.Component;

import com.fasterxml.jackson.annotation.JsonManagedReference;

@Component

@Entity

public class Blog extends DomainResponse implements Serializable{

private static final long serialVersionUID=1L;

@Id

@GeneratedValue(strategy=GenerationType.IDENTITY)

int blogId;

String blogTitel, blogContent;

LocalDate blogPosted;

String status;

int noOfLikes,noFoComments, noOfViews;

int userId;

String username;

@OneToMany(mappedBy="blog", fetch=FetchType.EAGER,cascade=CascadeType.ALL)

@JsonManagedReference

List<BlogComments> blogComments;

public int getBlogId() {

return blogId;

}

public void setBlogId(int blogId) {

this.blogId = blogId;

}

public String getBlogTitel() {

return blogTitel;

}

public void setBlogTitel(String blogTitel) {

this.blogTitel = blogTitel;

}

public String getBlogContent() {

return blogContent;

}

public void setBlogContent(String blogContent) {

this.blogContent = blogContent;

}

public LocalDate getBlogPosted() {

return blogPosted;

}

public void setBlogPosted(LocalDate blogPosted) {

this.blogPosted = blogPosted;

}

public String getStatus() {

return status;

}

public void setStatus(String status) {

this.status = status;

}

public int getNoOfLikes() {

return noOfLikes;

}

public void setNoOfLikes(int noOfLikes) {

this.noOfLikes = noOfLikes;

}

public int getNoFoComments() {

return noFoComments;

}

public void setNoFoComments(int noFoComments) {

this.noFoComments = noFoComments;

}

public int getNoOfViews() {

return noOfViews;

}

public void setNoOfViews(int noOfViews) {

this.noOfViews = noOfViews;

}

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 List<BlogComments> getBlogComments() {

return blogComments;

}

public void setBlogComments(List<BlogComments> blogComments) {

this.blogComments = blogComments;

}

}

3.BlogComments:-

package com.coll.OnlineCollaborate.model;

import java.io.Serializable;

import java.time.LocalDate;

import java.util.Locale;

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.JoinColumn;

import javax.persistence.ManyToOne;

import org.springframework.stereotype.Component;

import com.fasterxml.jackson.annotation.JsonBackReference;

@Component

@Entity

public class BlogComments implements Serializable {

private static final long serialVersionUID=1L;

@Id

@GeneratedValue(strategy=GenerationType.IDENTITY)

int blogCommentId;

int userId;

String username;

String userProfileId;

String titel;

int onOfLikes;

String blogComment;

LocalDate currentDate;

@ManyToOne

@JoinColumn(name="BlogId")

Blog blog;

@JsonBackReference

public int getBlogCommentId() {

return blogCommentId;

}

public void setBlogCommentId(int blogCommentId) {

this.blogCommentId = blogCommentId;

}

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 getUserProfileId() {

return userProfileId;

}

public void setUserProfileId(String userProfileId) {

this.userProfileId = userProfileId;

}

public String getTitel() {

return titel;

}

public void setTitel(String titel) {

this.titel = titel;

}

public int getOnOfLikes() {

return onOfLikes;

}

public void setOnOfLikes(int onOfLikes) {

this.onOfLikes = onOfLikes;

}

public static long getSerialversionuid() {

return serialVersionUID;

}

public String getBlogComment() {

return blogComment;

}

public void setBlogComment(String blogComment) {

this.blogComment = blogComment;

}

public LocalDate getCurrentDate() {

return currentDate;

}

public void setCurrentDate(LocalDate currentDate) {

this.currentDate = currentDate;

}

public Blog getBlog() {

return blog;

}

public void setBlog(Blog blog) {

this.blog = blog;

}

}

🡪Create **package** com.coll.OnlineCollaborate.dao;

🡪Create Interface :-

1.IUserDao:-

package com.coll.OnlineCollaborate.dao;

import java.util.List;

import com.coll.OnlineCollaborate.model.User;

public interface IUserDao {

List<User> userListbyStatus(String status);

List<User> getAllusers();

User getUserById(int userId);

User getUserByName(String username);

User validateUser(User user);

boolean addUser(User user);

boolean updateUser(User user);

boolean deleteUser(int userId);

boolean deactiveUser(int userId);

boolean updateUserProfile(String file, Integer userId);

}

2.IBlogDao:-

package com.coll.OnlineCollaborate.dao;

import java.util.List;

import com.coll.OnlineCollaborate.model.Blog;

public interface IBlogDao {

List<Blog> getAllBlogs();

List<Blog> getBlogsByStatus(String status);

List<Blog> getUsersBlogs(int id);

Blog getBlogById(int blogId);

boolean addBlog(Blog blog);

boolean updateBlog(Blog blog);

boolean deleteBlog(int blogId);

}

3.IBlogCommentsDao:-

package com.coll.OnlineCollaborate.dao;

import java.util.List;

import com.coll.OnlineCollaborate.model.Blog;

import com.coll.OnlineCollaborate.model.BlogComments;

public interface IBlogCommentsDao {

List<BlogComments> getAllBlogComments();

List<BlogComments> getCommentsbyBlogId(int blogId);

BlogComments getBlogCommentsById(int blogCommentsId);

boolean addBlogComments(BlogComments blogComments);

boolean updateBlogComments(BlogComments blogComments);

boolean deleteBlogComments(int blogCommentsId);

}

🡪Create **package** com.coll.OnlineCollaborate.daoImpl;

🡪Create DaoImpl Class

1.UserDaoImpl:-

package com.coll.OnlineCollaborate.daoImpl;

import java.util.List;

import org.hibernate.SessionFactory;

import org.hibernate.query.Query;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Repository;

import org.springframework.transaction.annotation.Transactional;

import com.coll.OnlineCollaborate.dao.IUserDao;

import com.coll.OnlineCollaborate.model.User;

@Repository("userDao")

@Transactional

public class UserDaoImpl implements IUserDao {

@Autowired

SessionFactory sessionFactory;

@Override

public List<User> userListbyStatus(String status) {

String q="from User wheere status="+status+"'";

Query query=sessionFactory.getCurrentSession().createQuery(q);

return query.getResultList();

}

@Override

public List<User> getAllusers() {

return sessionFactory.getCurrentSession().createQuery("from User",User.class).getResultList();

}

@Override

public User getUserById(int userId) {

return sessionFactory.getCurrentSession().get(User.class, Integer.valueOf(userId));

}

@Override

public User getUserByName(String username) {

String query="from User where username=:username";

return sessionFactory.getCurrentSession().createQuery(query,User.class).setParameter("username", username).getSingleResult();

}

@Override

public User validateUser(User user) {

String username=user.getUsername();

String password=user.getPassword();

String q="from User where username='"+username+"' and password='"+password+"'";

Query query=sessionFactory.getCurrentSession().createQuery(q);

try {

user=(User)query.getSingleResult();

return user;

}

catch(Exception e) {

e.printStackTrace();

return null;

}

}

@Override

public boolean addUser(User user) {

try {

sessionFactory.getCurrentSession().save(user);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean updateUser(User user) {

try {

sessionFactory.getCurrentSession().update(user);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean deleteUser(int userId) {

try {

sessionFactory.getCurrentSession().delete(getUserById(userId));

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean deactiveUser(int userId) {

try {

User user=getUserById(userId);

user.setEnabled(false);

sessionFactory.getCurrentSession().update(user);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean updateUserProfile(String file, Integer userId) {

String q="update User set profile=:filename where userId=:id";

Query query=sessionFactory.getCurrentSession().createQuery(q);

query.setParameter("id",(Integer)userId);

query.setParameter("filename", file);

try {

query.executeUpdate();

return true;

}

catch(Exception e) {

e.printStackTrace();

return false;

}

}

}

2.BlogDaoImpl:-

package com.coll.OnlineCollaborate.daoImpl;

import java.util.List;

import org.hibernate.SessionFactory;

import org.hibernate.query.Query;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Repository;

import org.springframework.transaction.annotation.Transactional;

import com.coll.OnlineCollaborate.dao.IBlogDao;

import com.coll.OnlineCollaborate.model.Blog;

import com.coll.OnlineCollaborate.model.User;

@Repository("blogDao")

@Transactional

public class BlogDaoImpl implements IBlogDao{

@Autowired

SessionFactory sessionFactory;

@Override

public List<Blog> getAllBlogs() {

return sessionFactory.getCurrentSession().createQuery("from Blog",Blog.class).getResultList();

}

@Override

public List<Blog> getBlogsByStatus(String status) {

String q="from Blog where status='"+status+"'";

Query query=sessionFactory.getCurrentSession().createQuery(q);

return query.getResultList();

}

@Override

public List<Blog> getUsersBlogs(int id) {

return sessionFactory.getCurrentSession().createQuery("from Blog",Blog.class).getResultList();

}

@Override

public Blog getBlogById(int blogId) {

return sessionFactory.getCurrentSession().get(Blog.class, Integer.valueOf(blogId));

}

@Override

public boolean addBlog(Blog blog) {

try {

sessionFactory.getCurrentSession().save(blog);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean updateBlog(Blog blog) {

try {

sessionFactory.getCurrentSession().update(blog);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean deleteBlog(int blogId) {

try {

sessionFactory.getCurrentSession().delete(getBlogById(blogId));

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

}

3.BlogComentsDaoImpl:-

package com.coll.OnlineCollaborate.daoImpl;

import java.util.List;

import org.hibernate.SessionFactory;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Repository;

import org.springframework.transaction.annotation.Transactional;

import com.coll.OnlineCollaborate.dao.IBlogCommentsDao;

import com.coll.OnlineCollaborate.model.Blog;

import com.coll.OnlineCollaborate.model.BlogComments;

@Repository("blogCommentsDao")

@Transactional

public class BlogCommentsDaoImpl implements IBlogCommentsDao {

@Autowired

SessionFactory sessionFactory;

@Override

public List<BlogComments> getAllBlogComments() {

return sessionFactory.getCurrentSession().createQuery("from BlogComments", BlogComments.class).getResultList();

}

@Override

public BlogComments getBlogCommentsById(int blogId) {

return sessionFactory.getCurrentSession().get(BlogComments.class, Integer.valueOf(blogId));

}

@Override

public boolean addBlogComments(BlogComments blogComments) {

try {

sessionFactory.getCurrentSession().save(blogComments);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean updateBlogComments(BlogComments blogComments) {

try {

sessionFactory.getCurrentSession().update(blogComments);

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public boolean deleteBlogComments(int blogCommentsId) {

try {

sessionFactory.getCurrentSession().delete(getBlogCommentsById(blogCommentsId));

return true;

}

catch(Exception ex) {

ex.printStackTrace();

return false;

}

}

@Override

public List<BlogComments> getCommentsbyBlogId(int blogId) {

return (List<BlogComments>) sessionFactory.getCurrentSession().get(BlogComments.class,Integer.valueOf(blogId));

}

}

🡪Create **package** com.coll.OnlineCollaborate.service;

🡪Create Service Inteface

1.IUserService:

package com.coll.OnlineCollaborate.service;

import java.util.List;

import com.coll.OnlineCollaborate.model.User;

public interface IUserService {

List<User> userListbyStatus(String status);

List<User> getAllusers();

User getUserById(int userId);

User getUserByName(String username);

User validateUser(User user);

boolean addUser(User user);

boolean updateUser(User user);

boolean deleteUser(int userId);

boolean deactiveUser(int userId);

boolean updateUserProfile(String file, Integer userId);

}

2.IBlogService:-

package com.coll.OnlineCollaborate.service;

import java.util.List;

import org.springframework.web.bind.annotation.DeleteMapping;

import org.springframework.web.bind.annotation.PathVariable;

import com.coll.OnlineCollaborate.model.Blog;

public interface IBlogService {

List<Blog> getAllBlogs();

List<Blog> getBlogsByStatus(String status);

List<Blog> getUsersBlogs(int id);

Blog getBlogById(int blogId);

boolean addBlog(Blog blog);

boolean updateBlog(Blog blog);

boolean deleteBlog(int blogId);

}

3.IBlogCommentsService:-

package com.coll.OnlineCollaborate.service;

import java.util.List;

import com.coll.OnlineCollaborate.model.BlogComments;

public interface IBlogCommentsService {

List<BlogComments> getAllBlogComments();

List<BlogComments> getCommentsbyBlogId(int blogId);

BlogComments getBlogCommentsById(int blogCommentsId);

boolean addBlogComments(BlogComments blogComments);

boolean updateBlogComments(BlogComments blogComments);

boolean deleteBlogComments(int blogCommentsId);

}

🡪Create **package** com.coll.OnlineCollaborate.serviceImpl;

🡪Create ServiceImpl Class:-

1. UserServiceImpl:-

package com.coll.OnlineCollaborate.serviceImpl;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import com.coll.OnlineCollaborate.dao.IUserDao;

import com.coll.OnlineCollaborate.model.User;

import com.coll.OnlineCollaborate.service.IUserService;

@Service

@Transactional

public class UserServiceImpl implements IUserService {

@Autowired

IUserDao userDao;

@Override

public List<User> userListbyStatus(String status) {

// TODO Auto-generated method stub

return userDao.userListbyStatus(status);

}

@Override

public List<User> getAllusers() {

// TODO Auto-generated method stub

return userDao.getAllusers();

}

@Override

public User getUserById(int userId) {

// TODO Auto-generated method stub

return userDao.getUserById(userId);

}

@Override

public User getUserByName(String username) {

// TODO Auto-generated method stub

return userDao.getUserByName(username);

}

@Override

public User validateUser(User user) {

// TODO Auto-generated method stub

return userDao.validateUser(user);

}

@Override

public boolean addUser(User user) {

// TODO Auto-generated method stub

return userDao.addUser(user);

}

@Override

public boolean updateUser(User user) {

// TODO Auto-generated method stub

return userDao.updateUser(user);

}

@Override

public boolean deleteUser(int userId) {

// TODO Auto-generated method stub

return userDao.deleteUser(userId);

}

@Override

public boolean deactiveUser(int userId) {

// TODO Auto-generated method stub

return userDao.deactiveUser(userId);

}

@Override

public boolean updateUserProfile(String file, Integer userId) {

// TODO Auto-generated method stub

return userDao.updateUserProfile(file, userId);

}

}

2.BlogServiceImpl:-

package com.coll.OnlineCollaborate.serviceImpl;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import com.coll.OnlineCollaborate.dao.IBlogDao;

import com.coll.OnlineCollaborate.model.Blog;

import com.coll.OnlineCollaborate.service.IBlogService;

@Service

@Transactional

public class BlogServiceImpl implements IBlogService {

@Autowired

IBlogDao blogDao;

@Override

public List<Blog> getAllBlogs() {

return blogDao.getAllBlogs();

}

@Override

public List<Blog> getBlogsByStatus(String status) {

return blogDao.getBlogsByStatus(status);

}

@Override

public List<Blog> getUsersBlogs(int blogId) {

return blogDao.getUsersBlogs(blogId);

}

@Override

public Blog getBlogById(int blogId) {

return blogDao.getBlogById(blogId);

}

@Override

public boolean addBlog(Blog blog) {

return blogDao.addBlog(blog);

}

@Override

public boolean updateBlog(Blog blog) {

return blogDao.updateBlog(blog);

}

@Override

public boolean deleteBlog(int blogId) {

return blogDao.deleteBlog(blogId);

}

}

3.BlogCommentsServiceImpl:-

package com.coll.OnlineCollaborate.serviceImpl;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import org.springframework.transaction.annotation.Transactional;

import com.coll.OnlineCollaborate.dao.IBlogCommentsDao;

import com.coll.OnlineCollaborate.model.BlogComments;

import com.coll.OnlineCollaborate.service.IBlogCommentsService;

@Service

@Transactional

public class BlogCommentsServiceImpl implements IBlogCommentsService {

@Autowired

IBlogCommentsDao blogCommentsDao;

@Override

public List<BlogComments> getAllBlogComments() {

return blogCommentsDao.getAllBlogComments();

}

@Override

public BlogComments getBlogCommentsById(int blogCommentsId) {

return blogCommentsDao.getBlogCommentsById(blogCommentsId);

}

@Override

public boolean addBlogComments(BlogComments blogComments) {

return blogCommentsDao.addBlogComments(blogComments);

}

@Override

public boolean updateBlogComments(BlogComments blogComments) {

return blogCommentsDao.updateBlogComments(blogComments);

}

@Override

public boolean deleteBlogComments(int blogCommentsId) {

return blogCommentsDao.deleteBlogComments(blogCommentsId);

}

@Override

public List<BlogComments> getCommentsbyBlogId(int blogId) {

return blogCommentsDao.getCommentsbyBlogId(blogId);

}

}

🡪Create **package** com.coll.OnlineCollaborate.controller;

🡪Create Controllers:

1.UserController

package com.coll.OnlineCollaborate.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.CrossOrigin;

import org.springframework.web.bind.annotation.DeleteMapping;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.PostMapping;

import org.springframework.web.bind.annotation.RequestBody;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

import com.coll.OnlineCollaborate.dao.IUserService;

import com.coll.OnlineCollaborate.model.User;

@RestController

@CrossOrigin(origins="http://localhost:4200")

@RequestMapping(value="/api")

public class UserController {

@Autowired

IUserService userService;

@PostMapping("save-user")public boolean saveUser(@RequestBody User user) {

return userService.addUser(user);

}

@GetMapping("user-list")

public List<User> allUsers(){

return userService.getAllusers();

}

@DeleteMapping("delete-user/{user\_id}")

public boolean deleteUser(@PathVariable("user\_id") int user\_id) {

return userService.deleteUser(user\_id);

}

@GetMapping("user/{user\_id}")

public User userById(@PathVariable("user\_id") int user\_id) {

return userService.getUserById(user\_id);

}

@PostMapping("update-user/{user\_id}")

public boolean updateUser(@RequestBody User user, @PathVariable("user\_id") int user\_id) {

user.setUserId(user\_id);

return userService.updateUser(user);

}

}

2.BlogController:-

package com.coll.OnlineCollaborate.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.CrossOrigin;

import org.springframework.web.bind.annotation.DeleteMapping;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.PostMapping;

import org.springframework.web.bind.annotation.RequestBody;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

import com.coll.OnlineCollaborate.model.Blog;

import com.coll.OnlineCollaborate.model.User;

import com.coll.OnlineCollaborate.service.IBlogService;

@RestController

@CrossOrigin(origins="http://localhost:4200")

@RequestMapping(value="/api")

public class BlogController {

@Autowired

IBlogService blogService;

@PostMapping("save-blog")

public boolean saveBlog(@RequestBody Blog blog)

{

return blogService.addBlog(blog);

}

@GetMapping("blog-list")

public List<Blog> allBlog()

{

return blogService.getAllBlogs();

}

@DeleteMapping("delete-blog/{blog\_id}")

public boolean deleteBlog(@PathVariable("blog\_id") int blog\_id) {

return blogService.deleteBlog(blog\_id);

}

@GetMapping("blog/{blog\_id}")

public Blog blogById(@PathVariable("blog\_id") int blog\_id)

{

return blogService.getBlogById(blog\_id);

}

@PostMapping("update-blog/{blog}")

public boolean updateBlog(@PathVariable("blog") Blog blog)

{

return blogService.updateBlog(blog);

}

}

3.BlogCommentsController:-

package com.coll.OnlineCollaborate.controller;

import java.util.List;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.web.bind.annotation.CrossOrigin;

import org.springframework.web.bind.annotation.DeleteMapping;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PathVariable;

import org.springframework.web.bind.annotation.PostMapping;

import org.springframework.web.bind.annotation.RequestBody;

import org.springframework.web.bind.annotation.RequestMapping;

import org.springframework.web.bind.annotation.RestController;

import com.coll.OnlineCollaborate.model.Blog;

import com.coll.OnlineCollaborate.model.BlogComments;

import com.coll.OnlineCollaborate.service.IBlogCommentsService;

@RestController

@CrossOrigin(origins="http://localhost:4200")

@RequestMapping(value="/api")

public class BlogCommentsController {

@Autowired

IBlogCommentsService blogCommentsService;

@PostMapping("save-blogComments")

public boolean saveBlog(@RequestBody BlogComments blogComments)

{

return blogCommentsService.addBlogComments(blogComments);

}

@GetMapping("blogComments-list")

public List<BlogComments> allBlogComments()

{

return blogCommentsService.getAllBlogComments();

}

@DeleteMapping("delete-blogComments/{blogComments\_id}")

public boolean deleteBlogComments(@PathVariable("blogComments\_id") int blogComments\_id) {

return blogCommentsService.deleteBlogComments(blogComments\_id);

}

@GetMapping("blogComments/{blogComments\_id}")

public BlogComments blogCommentsById(@PathVariable("blogComments\_id") int blogComments\_id)

{

return blogCommentsService.getBlogCommentsById(blogComments\_id);

}

@PostMapping("update-blogComments/{blogComments}")

public boolean updateBlogComments(@PathVariable("blogComments") BlogComments blogComments)

{

return blogCommentsService.updateBlogComments(blogComments);

}

}

🡪 Open OnlineCollaborateApplication

package com.coll.OnlineCollaborate;

import org.springframework.boot.SpringApplication;

import org.springframework.boot.autoconfigure.SpringBootApplication;

@SpringBootApplication

public class OnlineCollaborateApplication {

public static void main(String[] args) {

SpringApplication.run(OnlineCollaborateApplication.class, args);

}

}

🡪 Right Click OnlineCollaborateApplication

🡪Click Run as

🡪 Click JavaApplication