**SpringBoot\_Handle Handle Edit Post Form In Spring Boot**

**Fixing the Timestamp in webpage – Thymeleaf formatter**

  <h5 th:text="'Author: '+ ${post.account.firstname} +

                ' | Created at: '+ ${post.createdAt}"></h5>

**Change to**

<h5 th:text="'Author: '+ ${post.account.firstname} +

'| Created at: '+ ${#temporals.format(post.createdAt, 'yyyy-MM-dd HH:mm')}"></h5>

**It will not be available, you need to follow below steps**

**In pom.xml – Add below dependency**

**Source :- https://mvnrepository.com/artifact/org.thymeleaf.extras/thymeleaf-extras-java8time/3.0.4.RELEASE**

**In application.properties -> Add below code**

# application.properties

# Thymeleaf settings

thymeleaf.version=3.0.15.RELEASE

thymeleaf-layout-dialect.version=2.5.3

**Update this is in home.html also**

**Add in pom.xml**

<!-- Thymeleaf -->

        <dependency>

            <groupId>org.thymeleaf</groupId>

            <artifactId>thymeleaf-spring5</artifactId>

            <version>${thymeleaf.version}</version>

        </dependency>

        <dependency>

            <groupId>nz.net.ultraq.thymeleaf</groupId>

            <artifactId>thymeleaf-layout-dialect</artifactId>

            <version>${thymeleaf-layout-dialect.version}</version>

        </dependency>

        <!-- Thymeleaf Extras for Java 8 Time -->

        <dependency>

            <groupId>org.thymeleaf.extras</groupId>

            <artifactId>thymeleaf-extras-java8time</artifactId>

            <version>3.0.4.RELEASE</version>

        </dependency>

**Updated pom.xml**

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

<project xmlns="http://maven.apache.org/POM/4.0.0"

    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">

    <modelVersion>4.0.0</modelVersion>

    <parent>

        <groupId>org.springframework.boot</groupId>

        <artifactId>spring-boot-starter-parent</artifactId>

        <version>2.7.5</version>

        <relativePath /> <!-- lookup parent from repository -->

    </parent>

    <groupId>org.studyeasy</groupId>

    <artifactId>SpringStarter</artifactId>

    <version>0.0.1-SNAPSHOT</version>

    <name>SpringStarter</name>

    <description>Spring Starter project</description>

    <properties>

        <java.version>17</java.version>

        <thymeleaf.version>3.0.15.RELEASE</thymeleaf.version>

        <thymeleaf-layout-dialect.version>2.5.3</thymeleaf-layout-dialect.version>

    </properties>

    <dependencies>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-data-jpa</artifactId>

        </dependency>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-thymeleaf</artifactId>

        </dependency>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-web</artifactId>

        </dependency>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-devtools</artifactId>

            <scope>runtime</scope>

            <optional>true</optional>

        </dependency>

        <dependency>

            <groupId>com.h2database</groupId>

            <artifactId>h2</artifactId>

            <scope>runtime</scope>

        </dependency>

        <dependency>

            <groupId>org.projectlombok</groupId>

            <artifactId>lombok</artifactId>

            <optional>true</optional>

        </dependency>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-test</artifactId>

            <scope>test</scope>

        </dependency>

        <dependency>

            <groupId>org.springframework.boot</groupId>

            <artifactId>spring-boot-starter-security</artifactId>

        </dependency>

        <dependency>

            <groupId>org.thymeleaf.extras</groupId>

            <artifactId>thymeleaf-extras-springsecurity5</artifactId>

        </dependency>

        <!-- Thymeleaf -->

        <dependency>

            <groupId>org.thymeleaf</groupId>

            <artifactId>thymeleaf-spring5</artifactId>

            <version>${thymeleaf.version}</version>

        </dependency>

        <dependency>

            <groupId>nz.net.ultraq.thymeleaf</groupId>

            <artifactId>thymeleaf-layout-dialect</artifactId>

            <version>${thymeleaf-layout-dialect.version}</version>

        </dependency>

        <!-- Thymeleaf Extras for Java 8 Time -->

        <dependency>

            <groupId>org.thymeleaf.extras</groupId>

            <artifactId>thymeleaf-extras-java8time</artifactId>

            <version>3.0.4.RELEASE</version>

        </dependency>

    </dependencies>

    <build>

        <plugins>

            <plugin>

                <groupId>org.springframework.boot</groupId>

                <artifactId>spring-boot-maven-plugin</artifactId>

                <configuration>

                    <excludes>

                        <exclude>

                            <groupId>org.projectlombok</groupId>

                            <artifactId>lombok</artifactId>

                        </exclude>

                    </excludes>

                </configuration>

            </plugin>

        </plugins>

    </build>

</project>

**Metadata for Thymeleaf – METADATA-INF**

{"properties": [

  {

    "name": "thymeleaf-layout-dialect.version",

    "type": "java.lang.String",

    "description": "A description for 'thymeleaf-layout-dialect.version'"

  },

  {

    "name": "thymeleaf.version",

    "type": "java.lang.String",

    "description": "A description for 'thymeleaf.version'"

  }

]}

**Add this property in Post Model**

 private LocalDateTime updatedAt;

**Update save() code in PostService.java**

 public Post save(Post post){

        if (post.getId() == null){

            post.setCreatedAt(LocalDateTime.now());

        }

        return postRepository.save(post);

    }

**To**

public Post save(Post post){

        if (post.getId() == null){

            post.setCreatedAt(LocalDateTime.now());

        }

        post.setUpdatedAt(LocalDateTime.now());

        return postRepository.save(post);

    }

**UpdatedAt Property in view**

<h5 th:text="'Author: '+ ${post.account.firstname} +

  ' | Created at: '+ ${#temporals.format(post.createdAt, 'yyyy-MM-dd HH:mm')}

  ' | Updated at: '+ ${#temporals.format(post.updatedAt, 'yyyy-MM-dd HH:mm')}"></h5>

**Updated - Fixing the Timestamp in webpage – Thymeleaf formatter**

<h5 th:text="'Author: ' + ${post.account.firstname} +

   ' | Created at: ' + ${#temporals.format(post.createdAt, 'yyyy-MM-dd HH:mm')} +

   ' | Updated at: ' + ${#temporals.format(post.updatedAt, 'yyyy-MM-dd HH:mm')}"></h5>

**In PostController -> add below code -> update post operation**

 @PostMapping("/posts/{id}/edit")

    @PreAuthorize("isAuthenticated()")

    public String updatePost(@PathVariable Long id, @ModelAttribute Post post) {

        Optional<Post> optionalPost = postService.getById(id);

        if (optionalPost.isPresent()) {

            Post existingPost = optionalPost.get();

            existingPost.setTitle(post.getTitle());

            existingPost.setBody(post.getBody());

            postService.save(existingPost);

        }

        return "redirect:/post/" + post.getId();

    }

**There was an error in URL routing. Look below**

return "redirect:/posts/" + post.getId();

**change to**

return "redirect:/post/" + post.getId();