

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();
```