Spring Boot - GetPost from SpringBoot App
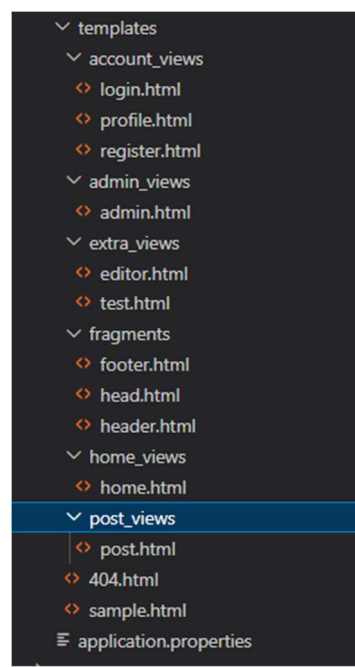
Error 1 – Server Port – Unknown property

```
# Server port
Server.port=8080
```

Change to

```
# Server port
server.port=8080
```

folder structure (views) – change the folder structure and also in other places like in controller

```
∨ templates
  ∨ account_views
    <> login.html
    <> profile.html
    <> register.html
  ∨ admin_views
    <> admin.html
  ∨ extra_views
    <> editor.html
    <> test.html
  ∨ fragments
    <> footer.html
    <> head.html
    <> header.html
  ∨ home_views
    <> home.html
  ∨ post_views
    | <> post.html
  <> 404.html
  <> sample.html
  ≡ application.properties
```

PostController.java

```java
package org.studyeasy.SpringBlog.controller;
import java.util.Optional;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
```

```java
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.PathVariable;
import org.studyeasy.SpringBlog.models.Post;
import org.studyeasy.SpringBlog.services.PostService;

@Controller
public class PostController {

    @Autowired
    private PostService postService;

    @GetMapping("/posts/{id}")
    public String getPost(@PathVariable Long id, Model model){
        Optional<Post> optionalPost = postService.getById(id);
        if(optionalPost.isPresent()){
            Post post = optionalPost.get();
            model.addAttribute("post", post);
            return "post_views/post";
        }else{
            return "404";
        }

    }
}
```

404.html -> Page not found

```html
<!DOCTYPE html>
<html lang="en" xmlns:th="http://www.thymeleaf.org">

  <head th:replace="/fragments/head :: head">

<body class="sub_page">

  <div class="hero_area">
    <div class="bg-box">
      <img src="images/nav-bg.jpg" alt="">
    </div>
    <header th:replace="/fragments/header :: header">
  </div>

  <!-- about section -->
```

```html
  <section class="about_section layout_padding">
    <div class="container  ">
        <h3>Page not found</h3>
    </div>
  </section>
  <footer th:replace="/fragments/footer :: footer">
</body>

</html>
```

This code has few warnings like below in pom.xml

```
Newer patch version of Spring Boot available:
2.7.18(BOOT_VERSION_VALIDATION_CODE)


OSS support for Spring Boot 2.7.x ended on 2023-11-24, get commercial support
until 2025-08-24 via Tanzu Spring Runtime at
https://spring.io/support(BOOT_VERSION_VALIDATION_CODE)
```

Other things are similar only just the version changing code.

Pom.xml

```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>
```

```xml
<version>0.0.1-SNAPSHOT</version>
<name>SpringStarter</name>
<description>Spring Starter project</description>
<properties>
    <java.version>17</java.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>
```

```xml
            <groupId>org.springframework.boot</groupId>
            <artifactId>spring-boot-starter-security</artifactId>
        </dependency>
        <dependency>
            <groupId>org.thymeleaf.extras</groupId>
            <artifactId>thymeleaf-extras-springsecurity5</artifactId>
        </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>
```