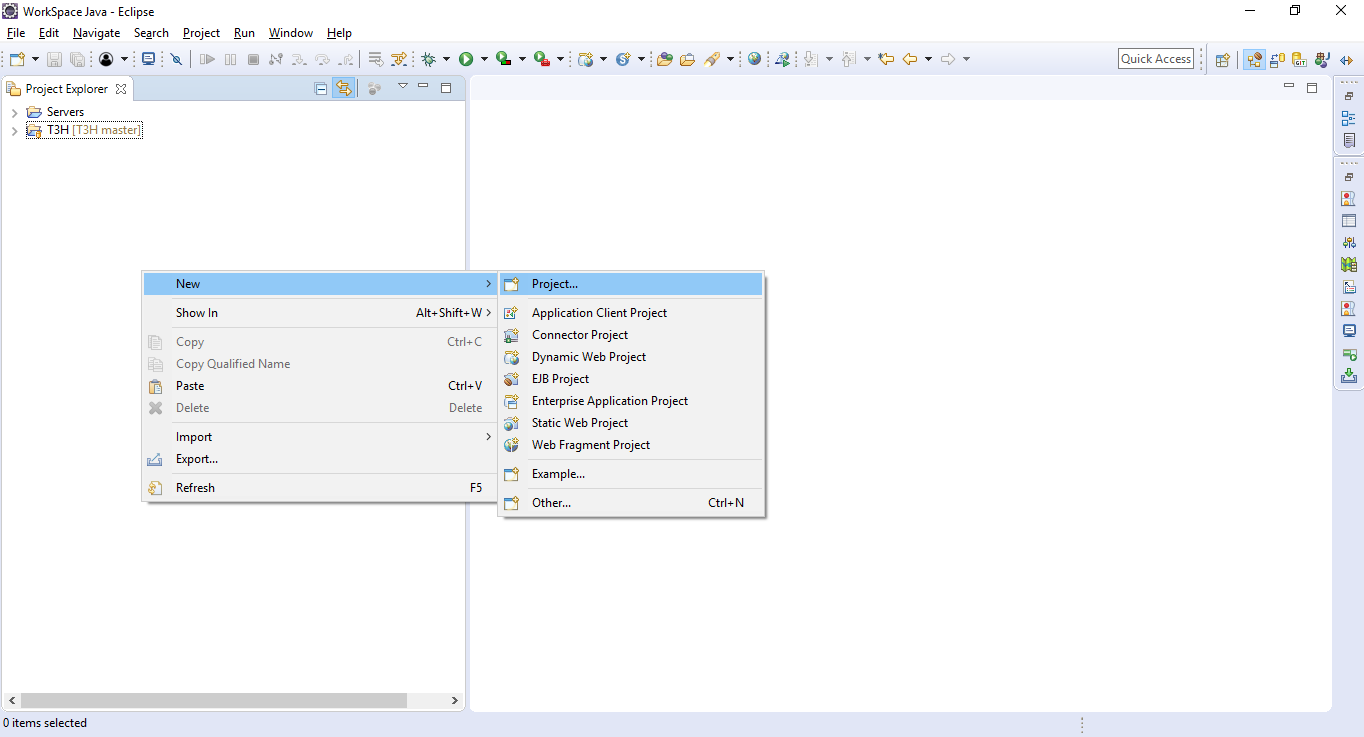
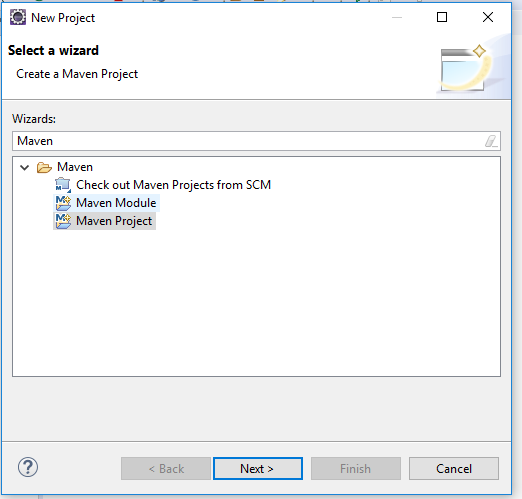
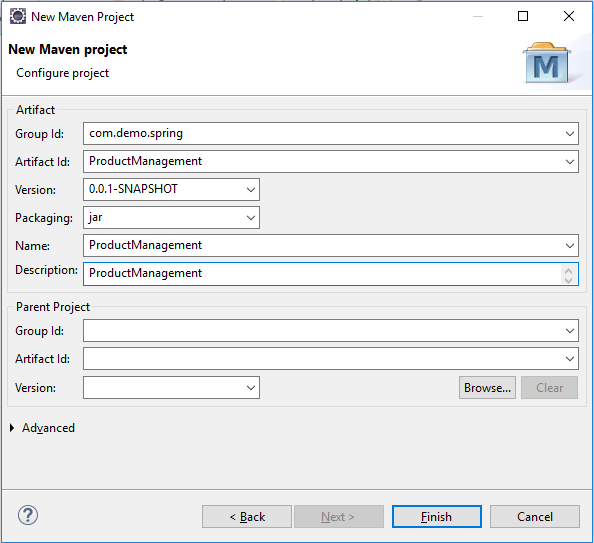
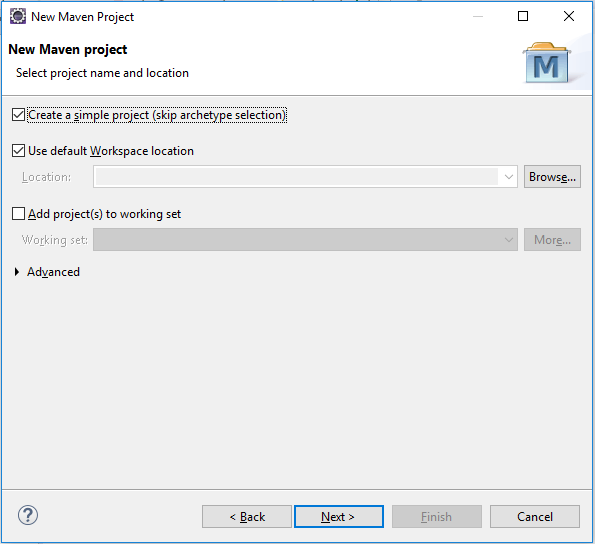
# Hello Worl với Spring Boot

## Tạo Project maven

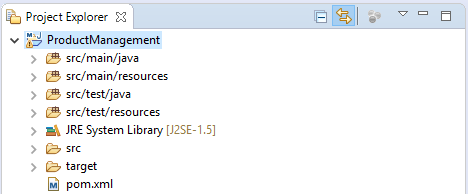
### Step1: Tạo Maven Project







Điền các thong số và chờ đợi Eclipse tạo project



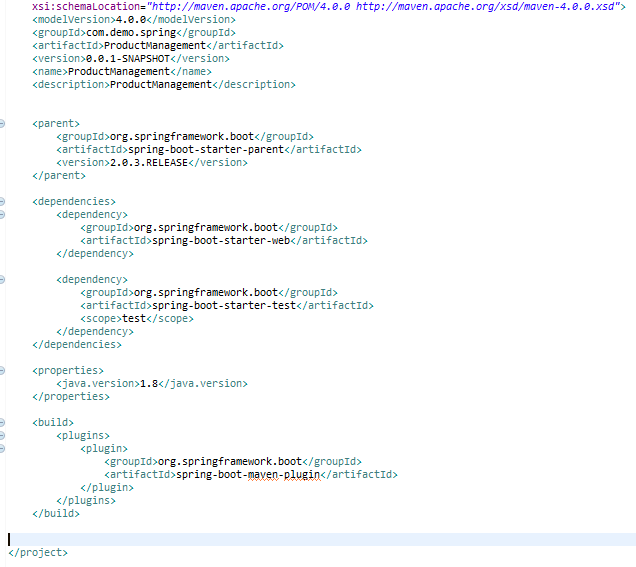
Kết quả Step 1 là hình trên. Nếu không thành công các bạn có thể tạo bằng tay thêm thư mục hoặc buil lại

### Fix lỗi Step1

* Cài maven riêng
* Chạy lệnh mvn eclipse:eclipse với thư mục Project
* Tạo Folder và add Resources

### Step2: Add thư viện Spring cho project

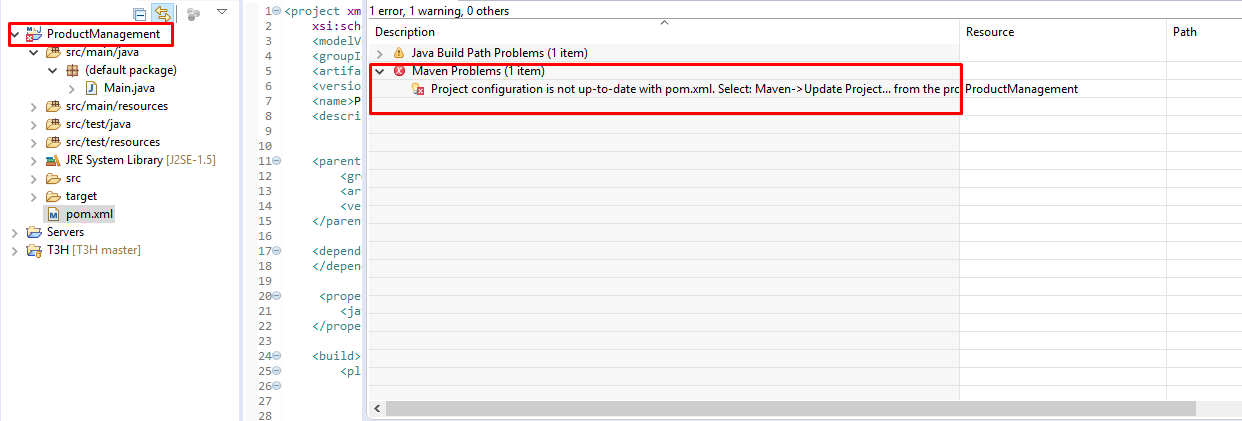
Tới file pom.xml và add thư viện và các thông số



Nội dung add mới

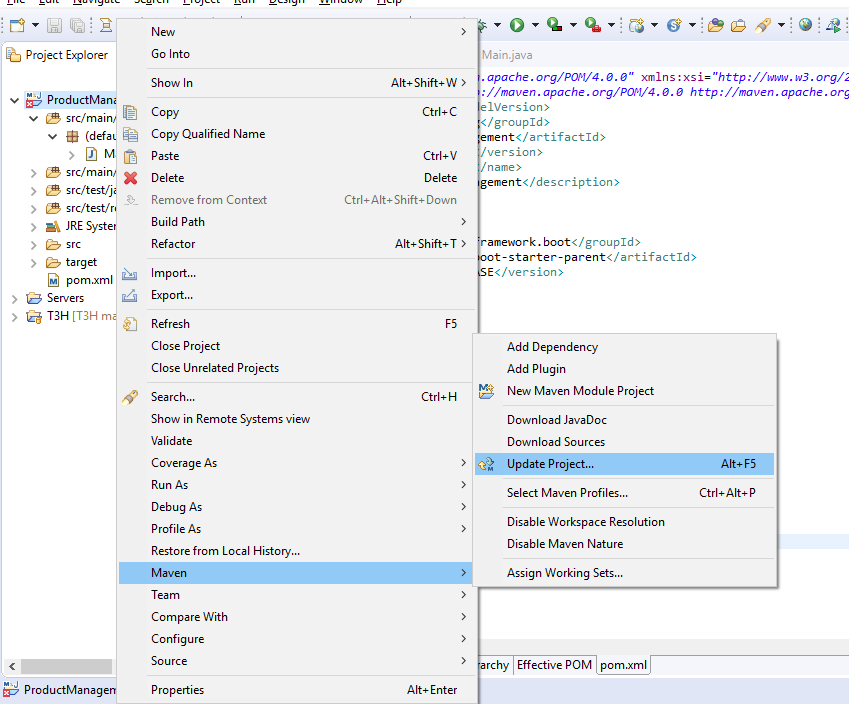
|  |
| --- |
| <parent>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-parent</artifactId>  <version>2.0.3.RELEASE</version>  </parent>  <dependencies>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-web</artifactId>  </dependency>  <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-starter-test</artifactId>  <scope>test</scope>  </dependency>  </dependencies>  <properties>  <java.version>1.8</java.version>  </properties>  <build>  <plugins>  <plugin>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-maven-plugin</artifactId>  </plugin>  </plugins>  </build> |

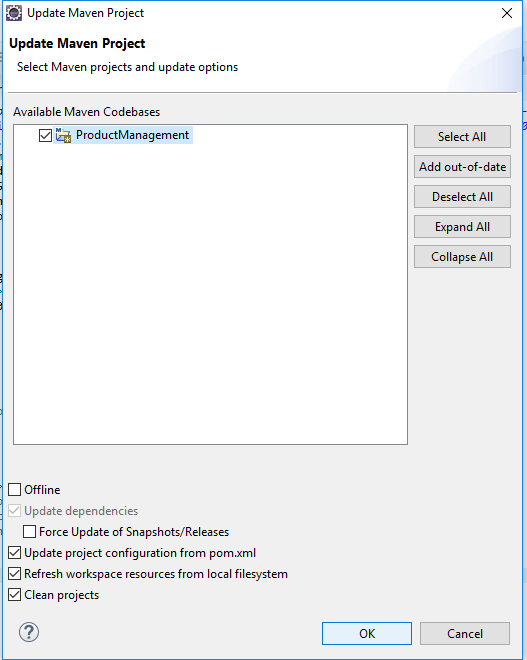
Hãy lưu lại và Build project lại



Khi bị lỗi project bạn có thể thấy gợi ý của Eclipse như trên

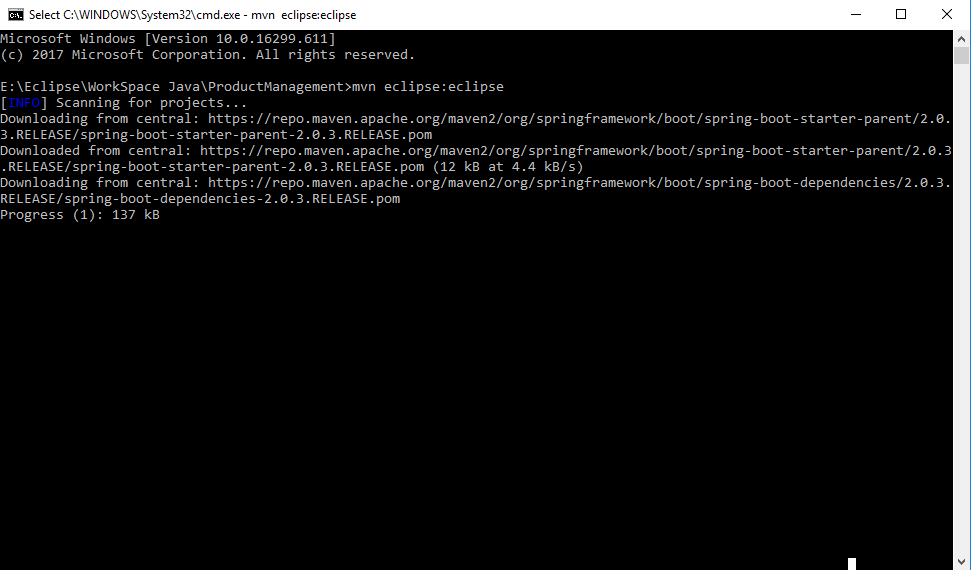
Chuột phải Project và Chọn như hình

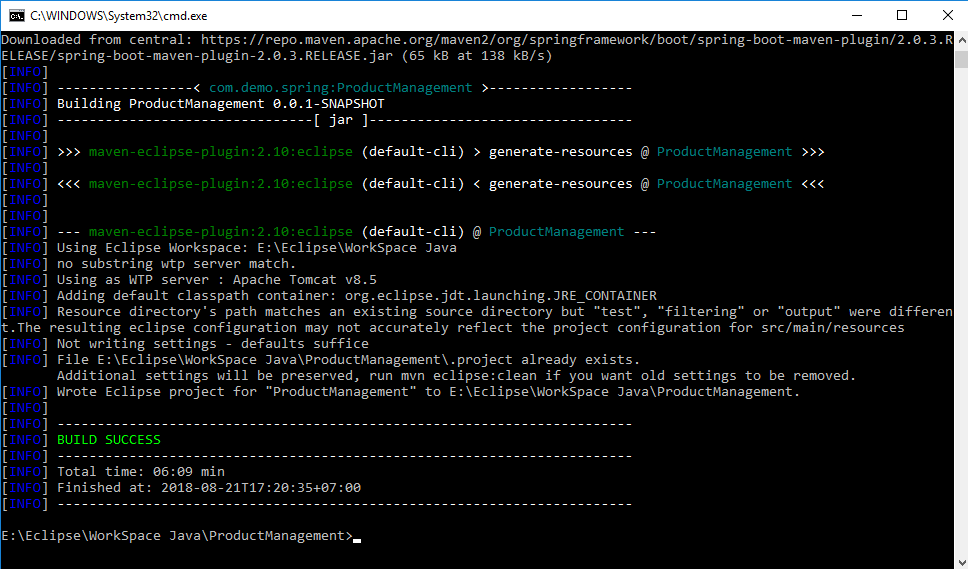




### Fix lỗi Step 2

* Có thể trỏ tới thư mục chứa project và chạy lệnh maven với maven cài riêng





Nếu không cài maven riêng hãy cố gắng buil lại project khi Build project thành công

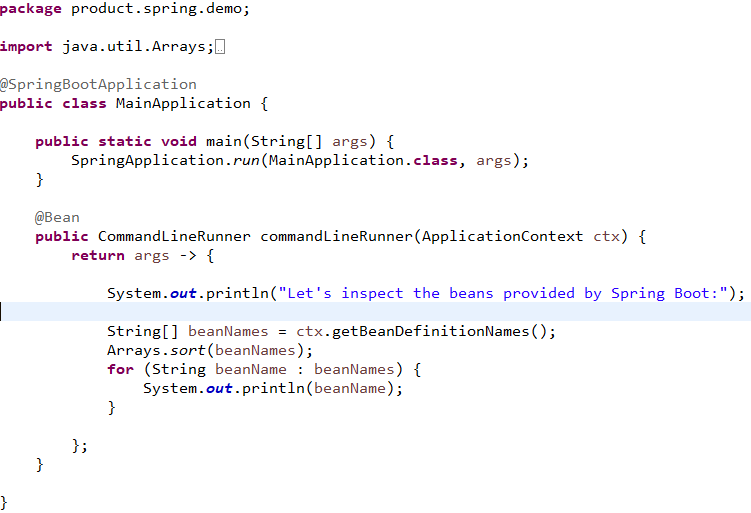
Và update lại thư viện của project như trên Maven > Update project

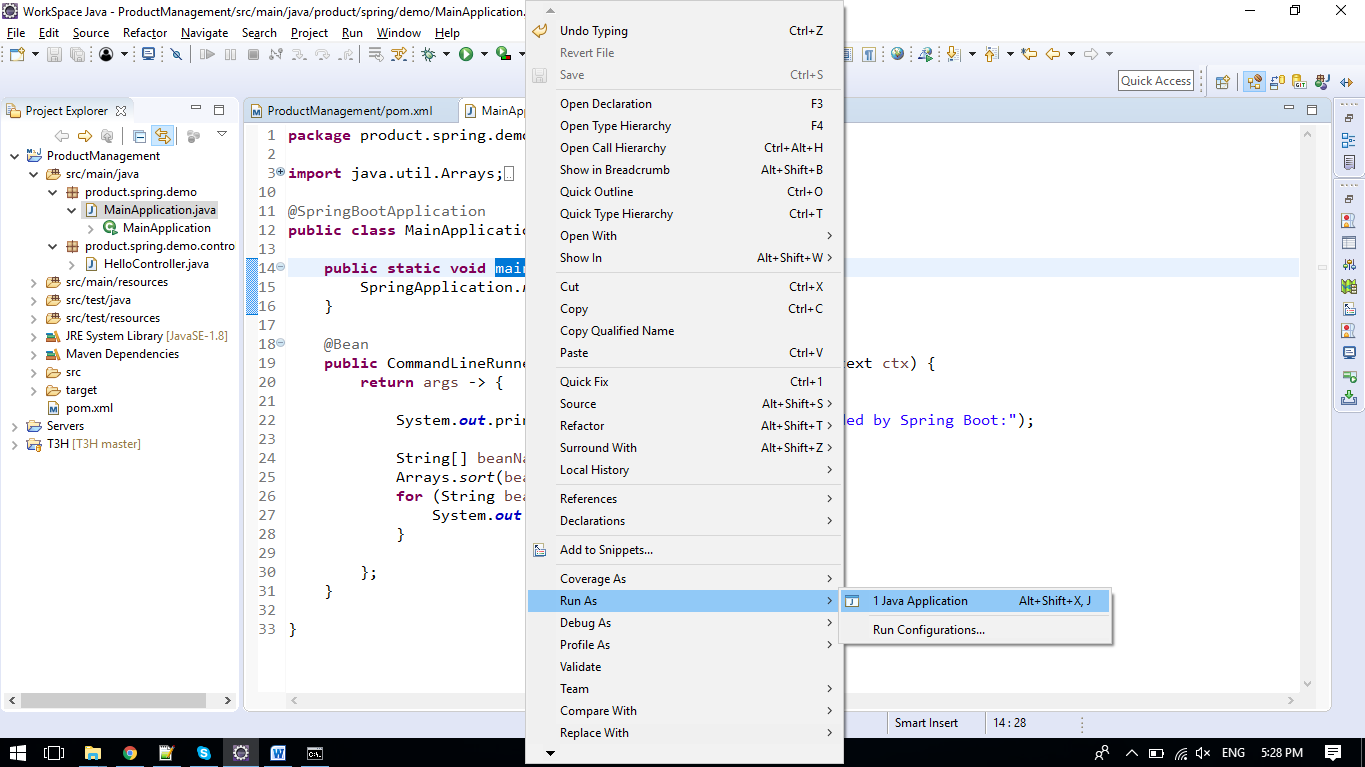
## Tạo Demo với Project Spring Boot

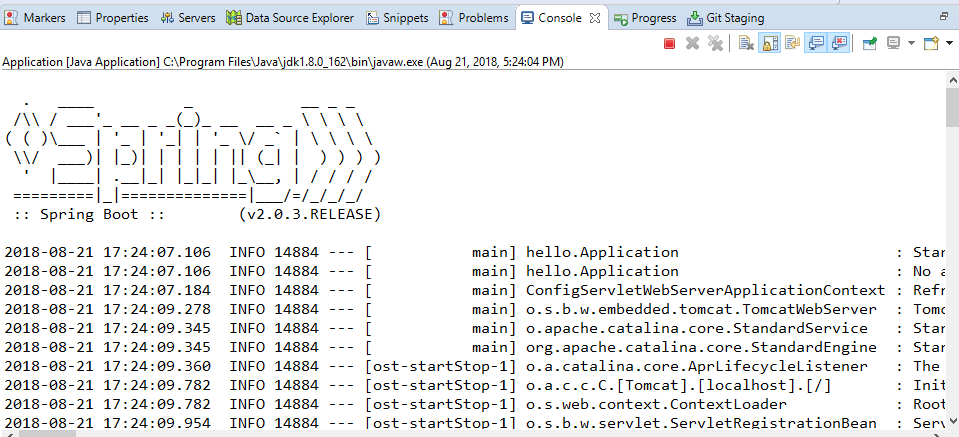
### Step 3 Tạo Main Application

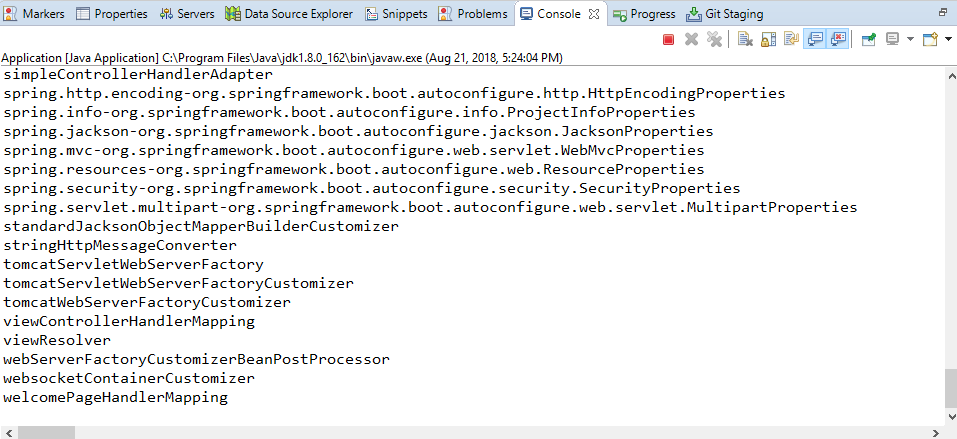
|  |
| --- |
| package product.spring.demo;  import java.util.Arrays;  import org.springframework.boot.CommandLineRunner;  import org.springframework.boot.SpringApplication;  import org.springframework.boot.autoconfigure.SpringBootApplication;  import org.springframework.context.ApplicationContext;  import org.springframework.context.annotation.Bean;  @SpringBootApplication  public class MainApplication {  public static void main(String[] args) {  SpringApplication.run(MainApplication.class, args);  }  @Bean  public CommandLineRunner commandLineRunner(ApplicationContext ctx) {  return args -> {  System.out.println("Let's inspect the beans provided by Spring Boot:");  String[] beanNames = ctx.getBeanDefinitionNames();  Arrays.sort(beanNames);  for (String beanName : beanNames) {  System.out.println(beanName);  }  };  }  } |

Hãy tạo controller và chạy thử kết quả









Hình kết quả là các bean tạo sẵn của Spring Boot nói riêng và Spring nói chung

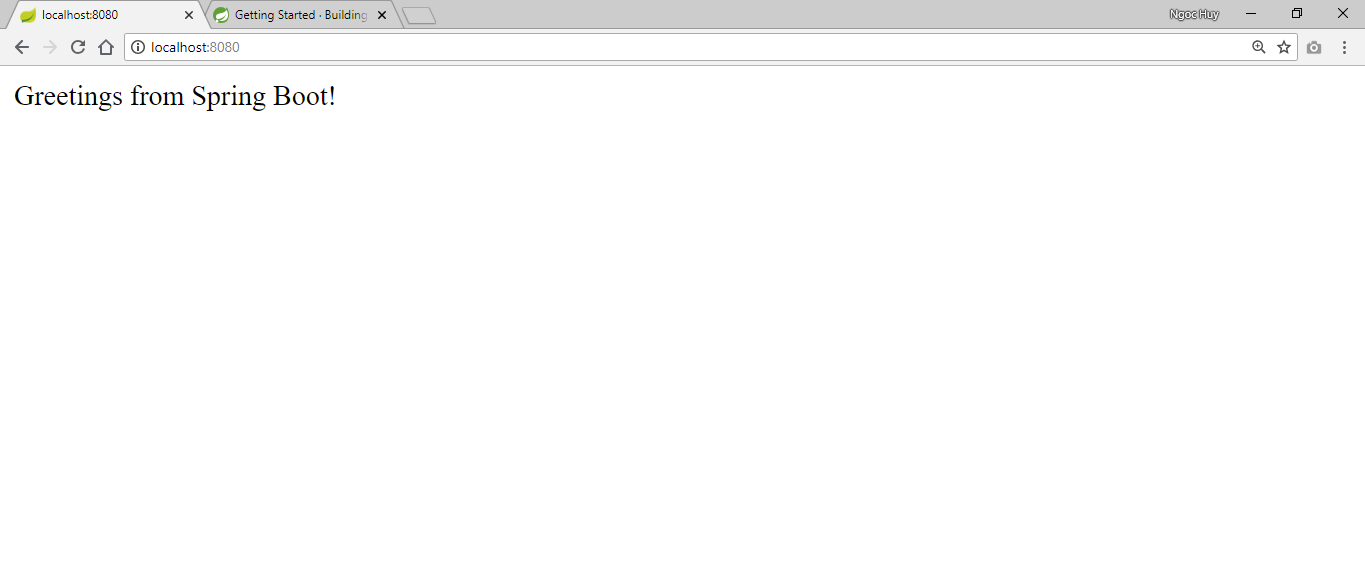
### Fix lỗi trong Step3

Step này không có lỗi nếu như bước 2 đã thành công, hãy build lại project.

### Step 4: Tạo Controller

|  |
| --- |
| package product.spring.demo.controller;  import org.springframework.web.bind.annotation.RequestMapping;  import org.springframework.web.bind.annotation.RestController;  @RestController  public class HelloController {  @RequestMapping("/")  public String index() {  return "Greetings from Spring Boot!";  }  } |

Khi tạo controller này hãy chạy lại Main Application và kiểm tra kết quả với đường dẫn trình duyệt web



Kết quả chạy: localhost:8080

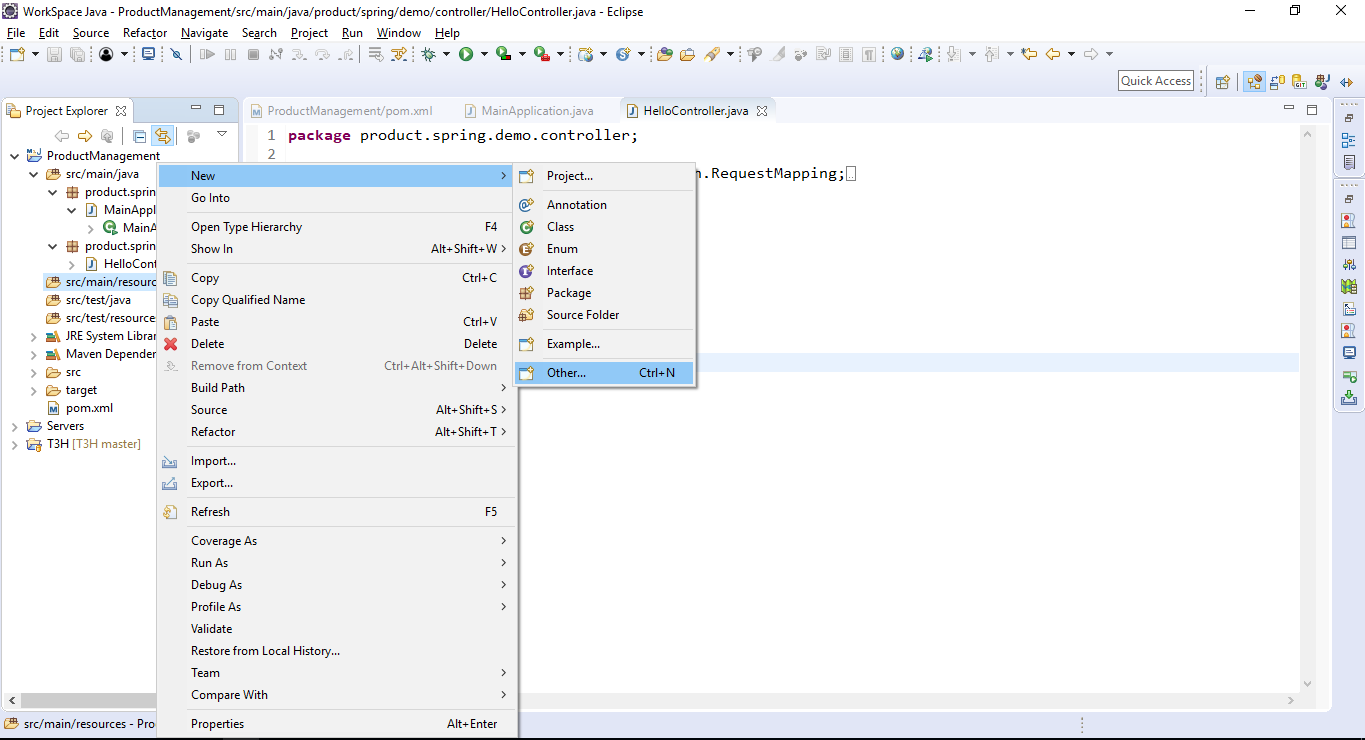
### Lưu ý Step4

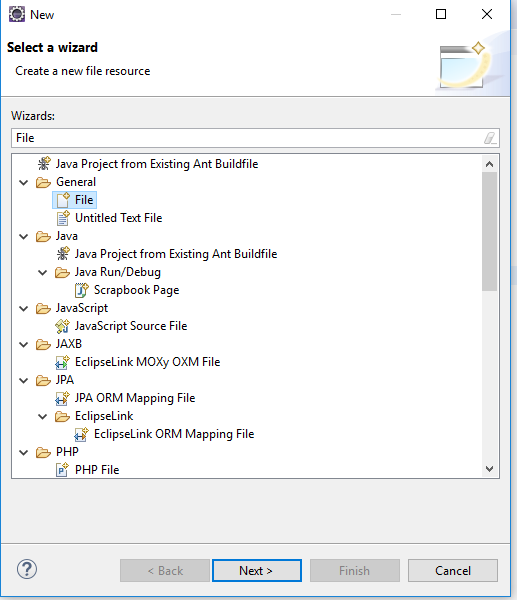
* Mặc định Spring Boot chạy với Tomcat là 8080
* Tomcat được nhúng trong Project, Khi Spring Boot chạy nó sẽ khởi động Tomcat này

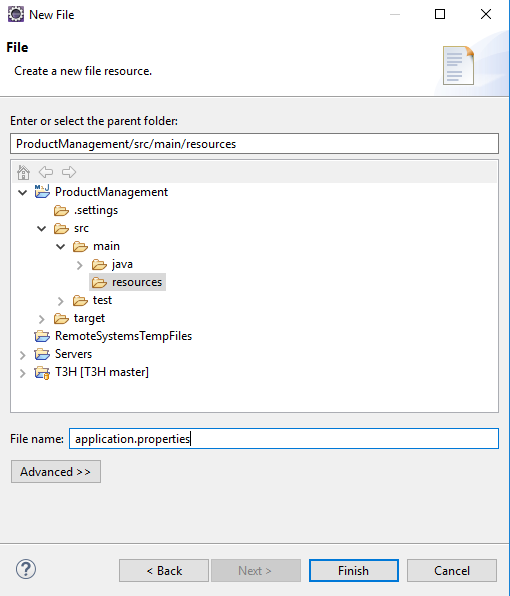
### Step 5: Tạo file cấu hình ứng dụng application.properties

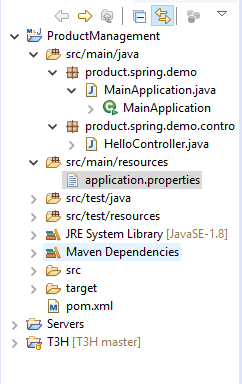
Cách hay nhất trong Spring Boot là sử dụng application.properties để config ứng dụng

Hãy làm theo hình sau. Chuột phải vào 



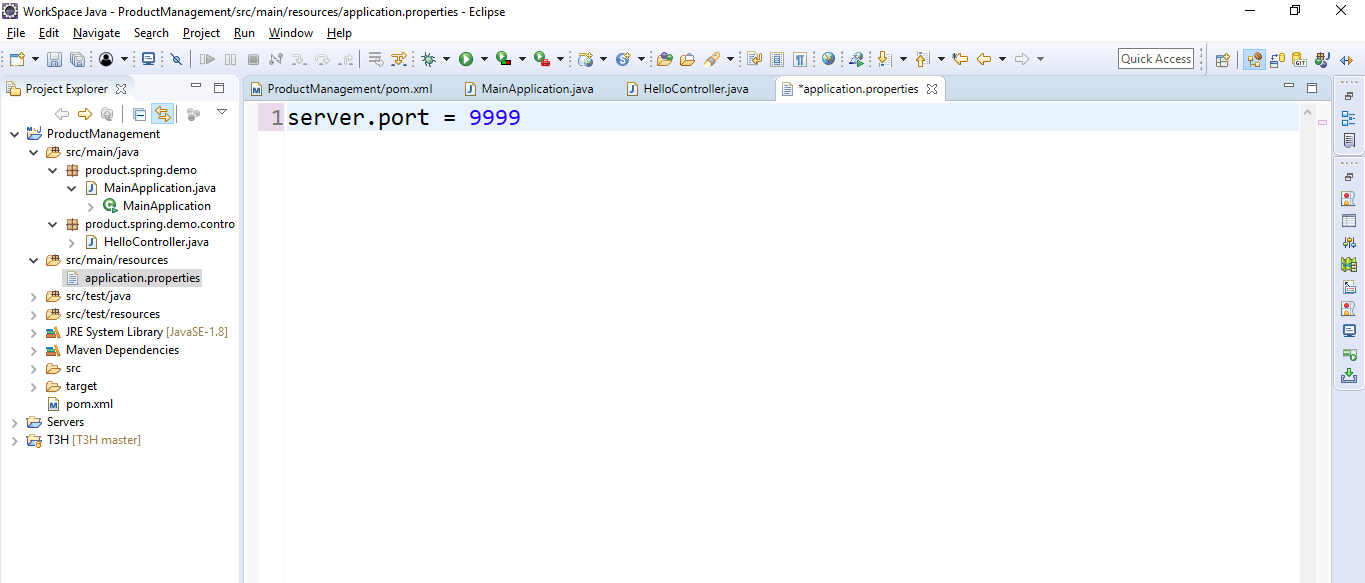






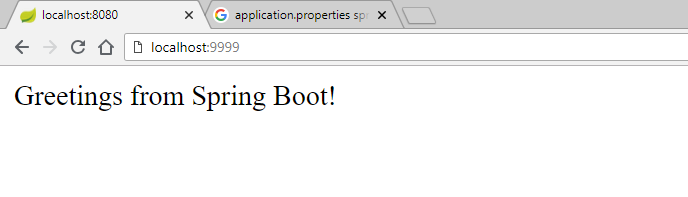
### Step 6: Cấu hình cổng cho ứng dụng

Hãy cấu hình port bạn muốn:



Cấu hình port 9999

Lưu lại và khởi động và kiểm tra



Step 7: Dùng devtool để không phải khởi động ứng dụng mỗi lần chạy

|  |
| --- |
| <dependency>  <groupId>org.springframework.boot</groupId>  <artifactId>spring-boot-devtools</artifactId>  <optional>true</optional>  </dependency> |