Sure! Here's the updated PPT content with Java code examples for each relevant section:

Slide 1: Title Slide

Spring Boot - RESTful API Development

- • Introduction
- • Setting up Project
- • REST APIs
- • Controllers
- • Request Mapping

Slide 2: Introduction to Spring Boot

- • Spring Boot simplifies Spring app development
- • Embedded server (Tomcat)
- • Auto-configuration
- • Opinionated defaults

Slide 3: Setting up a Spring Boot Project

- • Use https://start.spring.io
- • Choose dependencies:
- • Spring Web
- • Spring Boot DevTools
- • Lombok (optional)

Slide 4: Project Structure

```
src/main/java
 └── com/example/demo
      ├── DemoApplication.java
      └── controller/ProductController.java

src/main/resources
 └── application.properties
```

Slide 5: application.properties

```
server.port=8080
spring.application.name=spring-boot-demo
```

Slide 6: RESTful API Introduction

- REST = Representational State Transfer
- Stateless communication over HTTP
- Uses HTTP methods:
- GET, POST, PUT, DELETE

Slide 7: @RestController Example

```java
@RestController
@RequestMapping("/api/products")
public class ProductController {

    @GetMapping("/hello")
    public String sayHello() {
        return "Hello from Spring Boot!";
    }
}
```

Slide 8: Handling GET Request

```java
@GetMapping("/{id}")
public Product getProductById(@PathVariable int id) {
    return new Product(id, "Laptop", 45000.0);
}
```

Slide 9: Handling POST Request

```java
@PostMapping("/add")
public Product addProduct(@RequestBody Product product) {
    // Logic to save product
```

```
        return product;
    }
}
```

Slide 10: Product Model Class

```java
public class Product {
    private int id;
    private String name;
    private double price;

    // Getters and Setters
    // Constructors
}
```

Slide 11: Request Parameter Example

```java
@GetMapping("/search")
public String search(@RequestParam String name) {
    return "Searched for: " + name;
}
```

Slide 12: Summary

- Spring Boot simplifies REST API creation
- Annotations like @RestController, @RequestMapping
- Mapping: @PathVariable, @RequestParam, @RequestBody

Let me know if you want the actual downloadable PPT now.

yes