Swagger:

Swagger 2 is an open-source project used to describe and document RESTful APIs. Swagger 2 is language-agnostic and is extensible into new technologies and protocols beyond HTTP. The current version defines a set HTML, JavaScript, and CSS assets to dynamically generate documentation from a Swagger-compliant API. These files are bundled by the [Swagger UI](http://swagger.io/swagger-ui/) project to display the API on the browser.

#### 7. Swagger 2 Annotation

Let’s inspect some annotation available with API which we can use to customize the output:

#### 7.1. @Api annotation

This annotation is useful to add some basic information to our method. Let’s see how to use this for our controller:

@Api(value = "ProductController" , tags = {"Product Controller"})

@SwaggerDefinition(tags = {

@Tag(name = "Product Controller", description = "Write description here")

})

@RestController("/v2")

public class ProductController {

}

#### 7.2. @ApiOperation and @ApiResponse

To provide the information about the method and response, add these annotations to the methods:

@ApiOperation(value = "List of all products", response = ArrayList.class, tags = "getProducts")

@ApiResponses(value = {

@ApiResponse(code = 200, message = "OK"),

@ApiResponse(code =404, message = "404 error")

})

@GetMapping("/products")

public List getProducts(){

return products;

}

#### 7.3. The @ApiModelProperty

Add this annotation to add description to the output:

public class Product {

@ApiModelProperty(name = "code",required = true, value = "123", notes = "product unique code")

private String code;

@ApiModelProperty(name = "name",required = true,value = "demo name", notes = "name of the product")

private String name;

@ApiModelProperty(name = "description", required = true,value = "sample description", notes = "product description")

private String description;

@ApiModelProperty(name = "price", required = true, value = "23.45", notes = "product price")

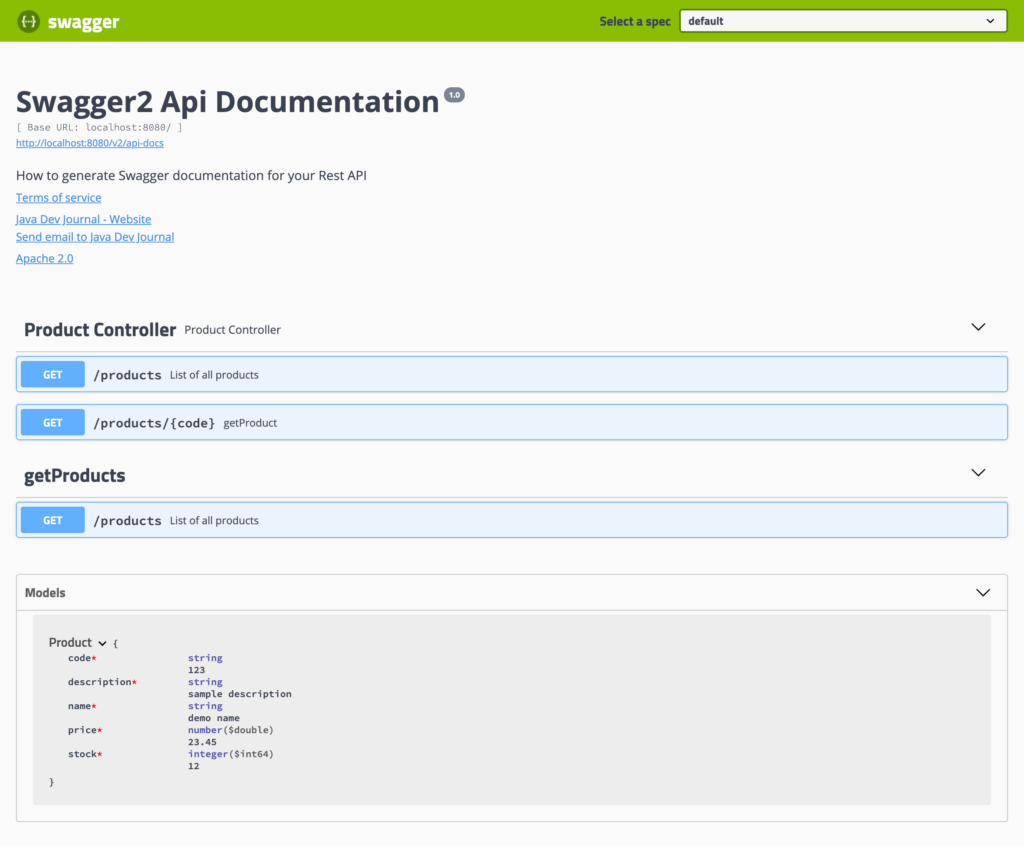
private double price;

@ApiModelProperty(name = "stock", required = true, value = "12", notes = "product stock")

private long stock;

}

Here is our final Swagger UI output:



Git Link for Swagger Project:

https://github.com/springframeworkguru/springboot\_swagger\_example