TP5 : RESTController Layer

1) Installer Postmean pour le Test :

2) Créez un contrôleur REST ProductRestController :

```java
@RestController
@RequestMapping("product")
public class ProductRestController {
@Autowired
    ProductService productService;
```

3) Ajouter les fonctions suivantes :

   ➢ AjouterProduct:

```java
@PostMapping("/save")
public Product saveProduct(@RequestBody Product product){

    return productService.createProduct(product) ;
}
```

Ou Bien

```java
@PostMapping("/save2")
public ResponseEntity<Product> createProduct(@RequestBody Product product) {
    try {
        productService.createProduct(product);
        return new ResponseEntity<Product>(product, HttpStatus.CREATED);
    } catch (Exception e) {
        return new ResponseEntity<Product>(HttpStatus.INTERNAL_SERVER_ERROR);
    }
}
}
```

   ➢ ListProduct :

```java
@GetMapping("/all")
public List<Product> getallProduct(){

    return productService.getAllProduct();
}
```

Ou bien

```java
@GetMapping("/all2")
public ResponseEntity<List<Product>> getAllProducts(){
    try {
        List<Product> products = productService.getAllProduct();

        if(products.isEmpty()) {
            return new ResponseEntity<List<Product>>(HttpStatus.NO_CONTENT);
        }
        return new ResponseEntity<List<Product>>(products, HttpStatus.OK);

    }
    catch (Exception e) {
        return new ResponseEntity<List<Product>>(HttpStatus.INTERNAL_SERVER_ERROR);
    }
}
```