

```
1 package br.com.padon.application.controllers;
2
3 import br.com.padon.application.models.Categoria;
4 import br.com.padon.application.models.Participa;
5 import br.com.padon.application.repositories.
  CategoriaRepository;
6 import br.com.padon.application.repositories.
  ParticipaRepository;
7 import com.fasterxml.jackson.databind.JsonNode;
8 import org.springframework.beans.factory.annotation.
 .Autowired;
9 import org.springframework.web.bind.annotation.*;
10
11 import java.util.List;
12
13 @RestController
14 @CrossOrigin
15 @RequestMapping("/categoria")
16 public class CategoriaController {
17
18     @Autowired
19     private CategoriaRepository categoria;
20     @Autowired
21     private ParticipaRepository participa;
22
23     @PostMapping("/create")
24     public Categoria createCategoria(@RequestBody JsonNode
  node) {
25         return categoria.save(new Categoria(node.get("nome
  ").asText(), node.get("descricao").asText()));
26     }
27
28     @GetMapping("/get")
29     public List<Categoria> getAllCategorias() {
30         return categoria.findAll();
31     }
32
33     @PostMapping("/save")
34     public Categoria saveCategoria(@RequestBody JsonNode
  node) {
35         Categoria categoriaById = categoria.findById(node.
  get("id").asInt()).orElseThrow();
36         categoriaById.setNome(node.get("nome").asText());
37         categoriaById.setDescricao(node.get("descricao").
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37 asText());
38         return categoria.save(categoriaById);
39     }
40
41     @PostMapping("/byid")
42     public Categoria getCategory(@RequestBody JsonNode
43 node) {
44         return categoria.findById(node.get("id").asInt()).
45         orElseThrow();
46     }
47
48     @PostMapping("/delete")
49     public boolean deleteCategoria(@RequestBody JsonNode
50 node) {
51         categoria.deleteById(node.get("id").asInt());
52         return true;
53     }
54
55     @PostMapping("/add")
56     public Participa addProduto(@RequestBody JsonNode node
57 ) {
58         return participa.save(new Participa(node.get("
59 produtoId").asInt(), node.get("categoriaId").asInt()));
60     }
61
62     @PostMapping("/remove")
63     public boolean removeProduto(@RequestBody JsonNode
64 node) {
65         Participa result = participa.getParticipa(node.get
66 ("produtoId").asInt(), node.get("categoriaId").asInt());
67         if (result == null) {
68             return false;
69         }
70
71         participa.delete(result);
72         return true;
73     }
74 }
```