

# INSTITUTO FEDERAL DO AMAZONAS - IFAM CMC

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**Curso:** Aranouá - Desenvolvendo na Prática com Spring e Testes

## Avaliação Geral: Cadastro para Ajuda Humanitária da MSF – Médico Sem Fronteiras

### Relatório de Testes:

#### 1. Testes Controller

- CidadeControllerTest

```
14 no usages
15 @SpringBootTest
16 @AutoConfigureMockMvc
17 public class CidadeControllerTest {
18
19     1 usage
20     @Autowired
21     private MockMvc mvc;
22
23     no usages
24     @Test
25     public void develistarCidadeCadastradas() throws Exception {
26
27         URI uri = new URI("http://api/cidades");
28
29         RequestBuilder request = MockMvcRequestBuilders.get(uri);
30
31         ResultMatcher statusEsperado = MockMvcResultMatchers.status().is(200);
32
33         //Conteúdo (content)
34         String jsonRetorno = "{\"id\":\"1\",\"nome\":\"Pernambuco\",\"sigla\":\"PA\",\"pais\":{\"id\":\"1\",\"nome\":\"Brasil\"},\"sigla\":\"BRA\"},{\"id\":\"2\",\"nome\":\"Piauí\",\"sigla\":\"PI\",\"pais\":{\"id\":\"1\",\"nome\":\"Brasil\"}}";
35         ResultMatcher conteudoEsperado = MockMvcResultMatchers.content().json(jsonRetorno);
36
37         mvc.perform(request).andExpect(statusEsperado).andExpect(conteudoEsperado);
38     }
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40 }
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```

- VoluntarioControllerTest

The screenshot shows the `VoluntarioControllerTest` class in an IDE. The class is annotated with `@SpringBootTest` and `@AutoConfigureMockMvc`. It contains a `develistarVoluntariosCadastrados()` test method that sends a GET request to `/api/voluntarios` and expects a 200 status and a JSON response containing a list of volunteers. The test passes successfully, as indicated by the green checkmark and the message "Tests passed: 1 of 1 test - 307 ms".

```
16 no usages
17 @SpringBootTest
18 @AutoConfigureMockMvc
19 public class VoluntarioControllerTest {
20
21     1 usage
22     @Autowired
23     private MockMvc mvc;
24
25     no usages
26     @Test
27     public void develistarVoluntariosCadastrados() throws Exception {
28
29         URI uri = new URI("http://api/voluntarios");
30
31         RequestBuilder request = MockMvcRequestBuilders.get(uri);
32
33         ResultMatcher statusEsperado = MockMvcResultMatchers.status().is(200);
34
35         //Conteúdo (Content)
36         String jsonRetorno = "{\n  \"id\":1,\n  \"passaporte\":\"F316579H\",\n  \"nomeCompleto\":\"Nome 01\",\n  \"idade\":23,\n  \"telefone\":\"92 9 9999-9999\",\n  \"email\":\"email@email.com\",\n  \"tipoSanguine\":\"B-\",\n  \"situacaoCadastrado\":{\n    \"id\":1,\n    \"nome\":\"Nome 01\",\n    \"situacao\":\"Voluntario\"\n  }\n}";
37         ResultMatcher conteudoEsperado = MockMvcResultMatchers.content().json(jsonRetorno);
38
39         mvc.perform(request).andExpect(statusEsperado).andExpect(conteudoEsperado);
40
41     }
42 }
```

Run: CadastroAjudaHumanitariaMfApplication - VoluntarioControllerTest  
Tests passed: 1 of 1 test - 307 ms  
develistarVoluntariosCadastrados  
307 ms

- SituacaoControllerTest

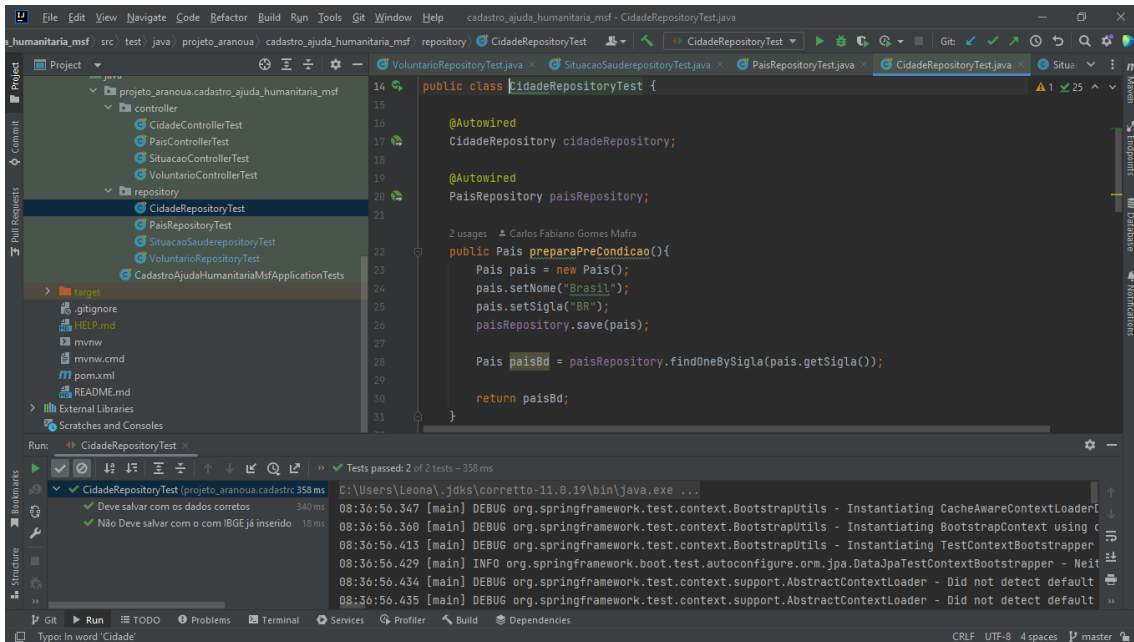
The screenshot shows the `SituacaoControllerTest` class in an IDE. The class is annotated with `@SpringBootTest` and `@AutoConfigureMockMvc`. It contains a `develistarSituacoesCadastrados()` test method that sends a GET request to `/api/situacoes` and expects a 200 status and a JSON response containing a list of situations. The test passes successfully, as indicated by the green checkmark and the message "Tests passed: 1 of 1 test - 406 ms".

```
16 no usages
17 @SpringBootTest
18 @AutoConfigureMockMvc
19 public class SituacaoControllerTest {
20
21     1 usage
22     @Autowired
23     private MockMvc mvc;
24
25     no usages
26     @Test
27     public void develistarSituacoesCadastrados() throws Exception {
28
29         URI uri = new URI("http://api/situacoes");
30
31         RequestBuilder request = MockMvcRequestBuilders.get(uri);
32
33         ResultMatcher statusEsperado = MockMvcResultMatchers.status().is(200);
34
35         //Conteúdo (Content)
36         String jsonRetorno = "{\n  \"id\":1,\n  \"situacao\":\"Voluntario\"\n}";
37         ResultMatcher conteudoEsperado = MockMvcResultMatchers.content().json(jsonRetorno);
38
39         mvc.perform(request).andExpect(statusEsperado).andExpect(conteudoEsperado);
40
41     }
42 }
```

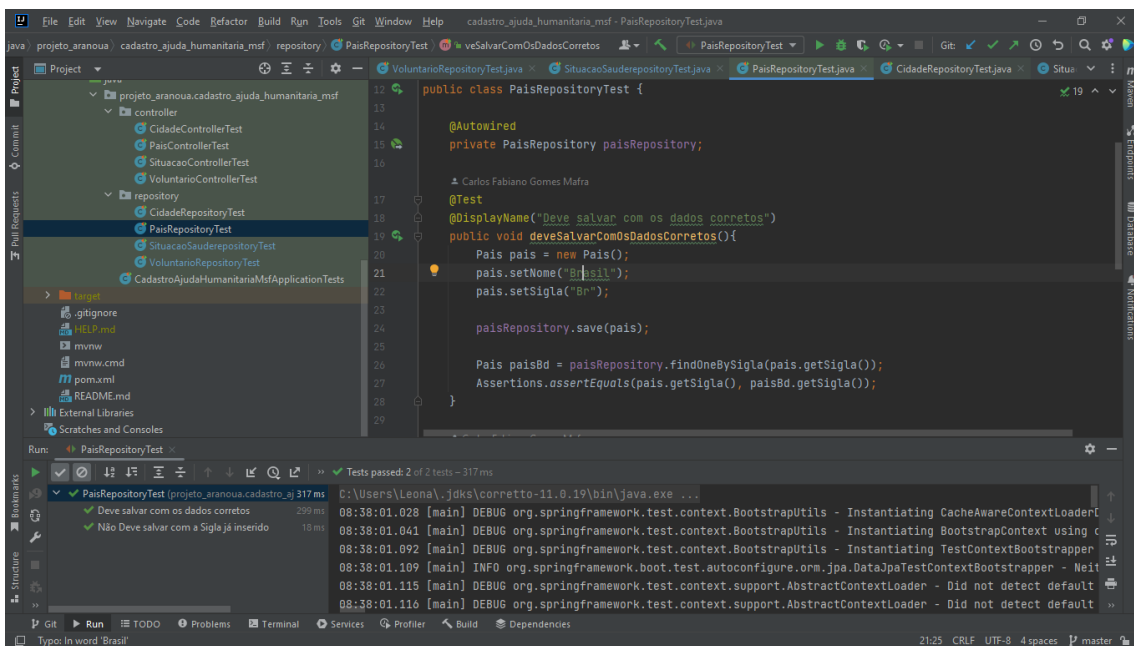
Run: CadastroAjudaHumanitariaMfApplication - SituacaoControllerTest  
Tests passed: 1 of 1 test - 406 ms  
develistarSituacoesCadastrados  
406 ms

## 2. Testes Repository

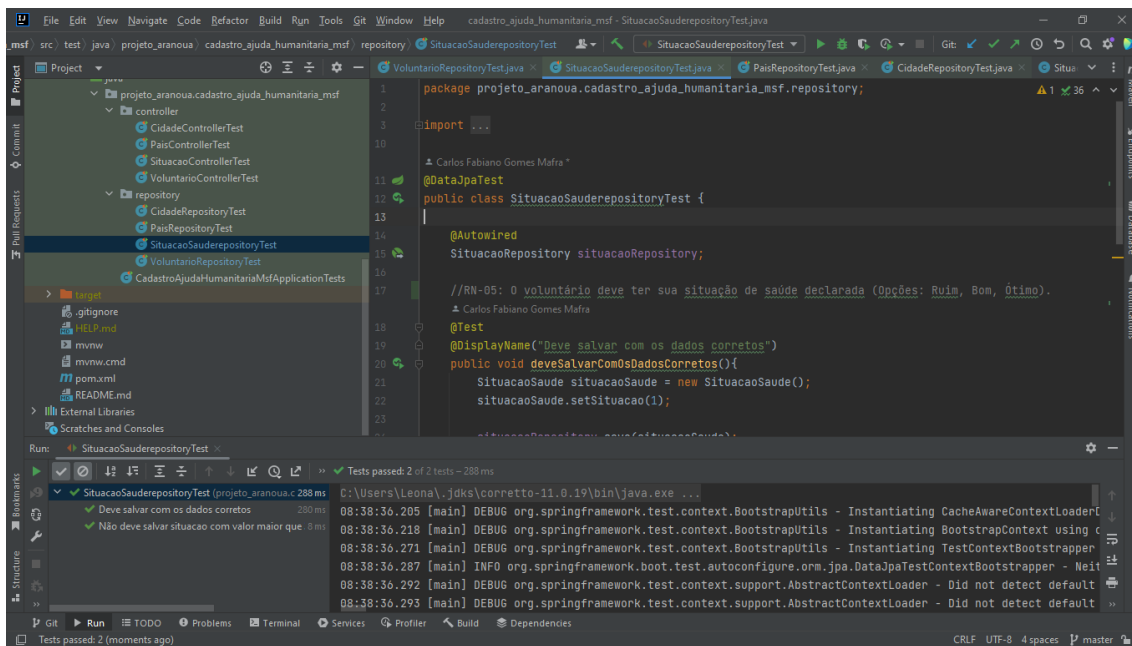
- CidadeRepository



- PaisRepository



- SituaçãoSaudeRepository



- VoluntarioRepository

