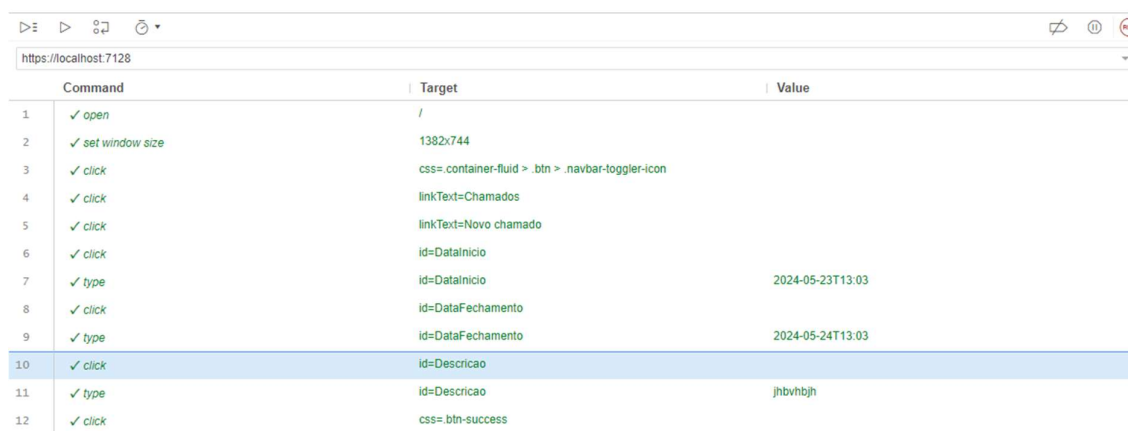| USCS – Universidade Municipal de São Caetano do Sul	
Curso: Análise e Desenvolvimento de Sistemas	
Disciplina: Automação de testes e DevOps	
Professor: Icaro de Paula Freitas	
Alunos:	
Danillo Alves de Souza	RM: 8128955
David Lopes de França	RM: 8068876
Gustavo Carrenho	RM: 8135565
Laís Bueno Barreto	RM: 8128983
Nathaly Rodrigues Gomes	RM: 8100705
Karolina B. Baldo	RM: 8132978
Turma: 5BN	
Atividade: Teste de Selenium	

Chamados

Figura 1 - Criar chamado

```json
{
  "id": "f9c8c5e3-e034-46ce-b8a7-a1112a755769",
  "version": "2.0",
  "name": "Kontrola chamados",
  "url": "https://localhost:7128",
  "tests": [{
    "id": "994f008a-a07f-4155-b2c0-257ba98ccaef",
    "name": "Criar chamado",
    "commands": [{
      "id": "3ff51014-1138-4625-8467-b0e53ba5b30a",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "8aa7f6a3-78af-4a94-8de0-dce20d5feb58",
      "comment": "",
      "command": "setWindowSize",
      "target": "1382x744",
      "targets": [],
      "value": ""
    }, {
      "id": "d40eb49b-88ad-4ccb-8e9a-1980c28c7e1b",
      "comment": "",
      "command": "click",
      "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
      "targets": [
        ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
        ["xpath=//span", "xpath:position"]
      ],
      "value": ""
    }, {
      "id": "66524534-f0f3-4d63-a630-5af6e51cf3ed",
      "comment": "",
      "command": "click",
      "target": "linkText=Chamados",
      "targets": [
        ["linkText=Chamados", "linkText"],
        ["css=.nav-item:nth-child(2) > .nav-link", "css:finder"],
        ["xpath=//a[contains(text(),'Chamados')]", "xpath:link"],
        ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[2]/a", "xpath:idRelative"],
        ["xpath=//a[contains(@href, '/Chamados')]", "xpath:href"],
        ["xpath=//li[2]/a", "xpath:position"],
        ["xpath=//a[contains(.,'Chamados')]", "xpath:innerText"]
      ],
      "value": ""
    }, {
```

  "id": "67cf732a-241e-4ce3-a809-549177d4ff93",
  "comment": "",
  "command": "click",
  "target": "linkText=Novo chamado",
  "targets": [
   ["linkText=Novo chamado", "linkText"],
   ["css=.btn-success", "css:finder"],
   ["xpath=//a[contains(text(),'Novo chamado')]", "xpath:link"],
   ["xpath=//a[contains(@href, '/Chamados/Create')]", "xpath:href"],
   ["xpath=//p/a", "xpath:position"],
   ["xpath=//a[contains(.,'Novo chamado')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "424ce230-2fa9-4791-8b12-e80fc4f3937e",
  "comment": "",
  "command": "click",
  "target": "id=DataInicio",
  "targets": [
   ["id=DataInicio", "id"],
   ["name=DataInicio", "name"],
   ["css=#DataInicio", "css:finder"],
   ["xpath=//input[@id='DataInicio']", "xpath:attributes"],
   ["xpath=//div/input", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "622d3761-5577-4de4-850d-4581b7f82f16",
  "comment": "",
  "command": "type",
  "target": "id=DataInicio",
  "targets": [
   ["id=DataInicio", "id"],
   ["name=DataInicio", "name"],
   ["css=#DataInicio", "css:finder"],
   ["xpath=//input[@id='DataInicio']", "xpath:attributes"],
   ["xpath=//div/input", "xpath:position"]
  ],
  "value": "2024-05-23T13:03"
}, {
  "id": "3174ea56-dc84-42af-9725-272d7f94c65b",
  "comment": "",
  "command": "click",
  "target": "id=DataFechamento",
  "targets": [
   ["id=DataFechamento", "id"],
   ["name=DataFechamento", "name"],
   ["css=#DataFechamento", "css:finder"],

      ["xpath=//input[@id='DataFechamento']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "758a5800-960b-4519-87c0-941ee00cf113",
    "comment": "",
    "command": "type",
    "target": "id=DataFechamento",
    "targets": [
      ["id=DataFechamento", "id"],
      ["name=DataFechamento", "name"],
      ["css=#DataFechamento", "css:finder"],
      ["xpath=//input[@id='DataFechamento']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": "2024-05-24T13:03"
  }, {
    "id": "af6c47df-e2c6-4e49-aded-f7a397c1a3e3",
    "comment": "",
    "command": "click",
    "target": "id=Descricao",
    "targets": [
      ["id=Descricao", "id"],
      ["name=Descricao", "name"],
      ["css=#Descricao", "css:finder"],
      ["xpath=//input[@id='Descricao']", "xpath:attributes"],
      ["xpath=//div[3]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "f574e9ea-3de5-447b-858a-358851b6cc63",
    "comment": "",
    "command": "type",
    "target": "id=Descricao",
    "targets": [
      ["id=Descricao", "id"],
      ["name=Descricao", "name"],
      ["css=#Descricao", "css:finder"],
      ["xpath=//input[@id='Descricao']", "xpath:attributes"],
      ["xpath=//div[3]/input", "xpath:position"]
    ],
    "value": "jhbvhbjh"
  }, {
    "id": "a970b01c-f203-4647-881c-58425446cc75",
    "comment": "",
    "command": "click",
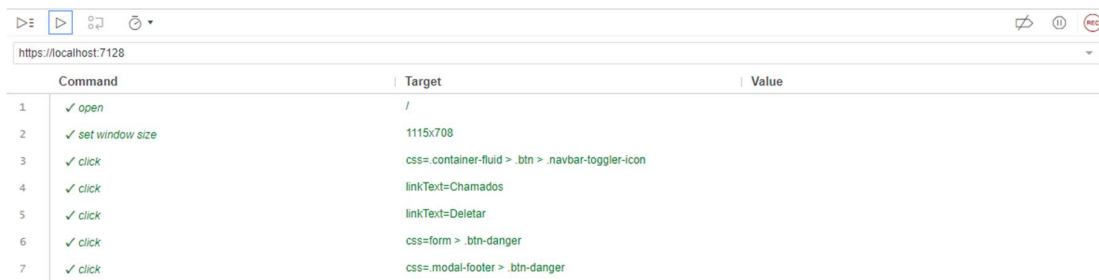   "target": "css=.btn-success",

```
    "targets": [
      ["css=.btn-success", "css:finder"],
      ["xpath=//button[@value='Criar']", "xpath:attributes"],
      ["xpath=//div[9]/button", "xpath:position"],
      ["xpath=//button[contains(.,'Criar')]", "xpath:innerText"]
    ],
    "value": ""
  }]
}
```

Figura 2 – Deletar chamado

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	1115x708	
3	✓ click	css=.container-fluid > .btn > .navbar-toggler-icon	
4	✓ click	linkText=Chamados	
5	✓ click	linkText=Deletar	
6	✓ click	css=form > .btn-danger	
7	✓ click	css=.modal-footer > .btn-danger	

```
{
  "id": "67cbad94-3304-496e-b101-2a5989055142",
  "name": "Deletar chamado",
  "commands": [{
    "id": "41c0b838-d99e-4d43-ac77-d23919b399ea",
    "comment": "",
    "command": "open",
    "target": "/",
    "targets": [],
    "value": ""
  }, {
    "id": "fae5ac58-a68e-4dda-8ce9-fdcf6d4cb45a",
    "comment": "",
    "command": "setWindowSize",
    "target": "1115x708",
    "targets": [],
    "value": ""
  }, {
    "id": "9c9b9fb0-9910-4e42-93eb-ca7f0a5a58e1",
    "comment": "",
    "command": "click",
    "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
    "targets": [
      ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
```
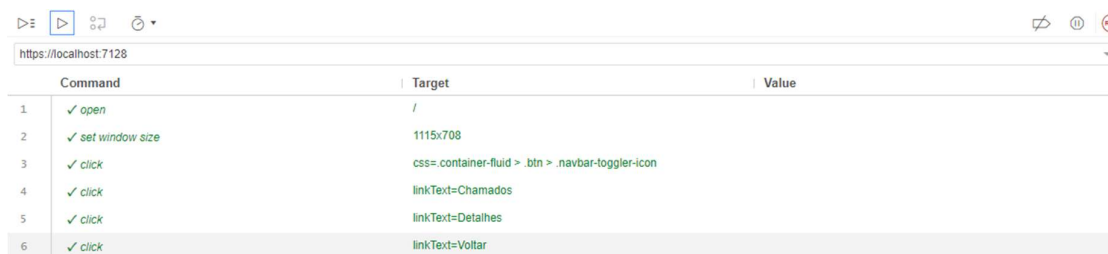
["xpath=//span", "xpath:position"]
    ],
    "value": ""
}, {
  "id": "784c5425-b01f-4d6b-b8b2-45735ad22089",
  "comment": "",
  "command": "click",
  "target": "linkText=Chamados",
  "targets": [
    ["linkText=Chamados", "linkText"],
    ["css=.nav-item:nth-child(2) > .nav-link", "css:finder"],
    ["xpath=//a[contains(text(),'Chamados')]", "xpath:link"],
    ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[2]/a", "xpath:idRelative"],
    ["xpath=//a[contains(@href, '/Chamados')]", "xpath:href"],
    ["xpath=//li[2]/a", "xpath:position"],
    ["xpath=//a[contains(.,'Chamados')]", "xpath:innerText"]
    ],
    "value": ""
}, {
  "id": "9f11edaf-4f50-4866-a524-fda19e432ab7",
  "comment": "",
  "command": "click",
  "target": "linkText=Deletar",
  "targets": [
    ["linkText=Deletar", "linkText"],
    ["css=tr:nth-child(1) .btn-danger", "css:finder"],
    ["xpath=//a[contains(text(),'Deletar')]", "xpath:link"],
    ["xpath=//a[contains(@href, '/Chamados/Delete/1')]", "xpath:href"],
    ["xpath=//a[3]", "xpath:position"],
    ["xpath=//a[contains(.,'Deletar')]", "xpath:innerText"]
    ],
    "value": ""
}, {
  "id": "9e2ff998-6672-4aa9-b7ae-c551e2bf417e",
  "comment": "",
  "command": "click",
  "target": "css=form > .btn-danger",
  "targets": [
    ["css=form > .btn-danger", "css:finder"],
    ["xpath=//button[@value='Delete']", "xpath:attributes"],
    ["xpath=//form/button", "xpath:position"],
    ["xpath=//button[contains(.,'Deletar')]", "xpath:innerText"]
    ],
    "value": ""
}, {
  "id": "efd1d8d6-e436-4682-a46d-9d0d39e732bd",
  "comment": "",
  "command": "click",

```
    "target": "css=.modal-footer > .btn-danger",
    "targets": [
      ["css=.modal-footer > .btn-danger", "css:finder"],
      ["xpath=(//button[@value='Delete'])[2]", "xpath:attributes"],
      ["xpath=//div[@id='exampleModal']/div/div/div[3]/button[2]", "xpath:idRelative"],
      ["xpath=//button[2]", "xpath:position"]
    ],
    "value": ""
  }]
}
```

Figura 3 – Detalhes do chamado

```
{
  "id": "7fe93253-a044-4b63-8f63-446e65eaecd2",
  "name": "Detalhes chamado",
  "commands": [{
    "id": "e6c6c951-3c9a-4ac6-9d16-e83110d0b203",
    "comment": "",
    "command": "open",
    "target": "/",
    "targets": [],
    "value": ""
  }, {
    "id": "96fc7cec-65fb-4edb-9817-bbe95a749cb3",
    "comment": "",
    "command": "setWindowSize",
    "target": "1115x708",
    "targets": [],
    "value": ""
  }, {
    "id": "a950800e-abf5-4e88-99c1-2ee4dd7226e2",
    "comment": "",
    "command": "click",
    "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
    "targets": [
```

```
      ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
      ["xpath=//span", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "e8127c48-a20e-495f-8506-60fa083081f7",
    "comment": "",
    "command": "click",
    "target": "linkText=Chamados",
    "targets": [
      ["linkText=Chamados", "linkText"],
      ["css=.nav-item:nth-child(2) > .nav-link", "css:finder"],
      ["xpath=//a[contains(text(),'Chamados')]", "xpath:link"],
      ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[2]/a", "xpath:idRelative"],
      ["xpath=//a[contains(@href, '/Chamados')]", "xpath:href"],
      ["xpath=//li[2]/a", "xpath:position"],
      ["xpath=//a[contains(.,'Chamados')]", "xpath:innerText"]
    ],
    "value": ""
  }, {
    "id": "5323992e-776b-4af2-9f60-bcef642933df",
    "comment": "",
    "command": "click",
    "target": "linkText=Detalhes",
    "targets": [
      ["linkText=Detalhes", "linkText"],
      ["css=.btn-secondary", "css:finder"],
      ["xpath=//a[contains(text(),'Detalhes')]", "xpath:link"],
      ["xpath=//a[contains(@href, '/Chamados/Details/3')]", "xpath:href"],
      ["xpath=//a[2]", "xpath:position"],
      ["xpath=//a[contains(.,'Detalhes')]", "xpath:innerText"]
    ],
    "value": ""
  }, {
    "id": "93f64116-3c5c-4f0f-852a-64763a1d4ae7",
    "comment": "",
    "command": "click",
    "target": "linkText=Voltar",
    "targets": [
      ["linkText=Voltar", "linkText"],
      ["css=.btn-danger", "css:finder"],
      ["xpath=//a[contains(text(),'Voltar')]", "xpath:link"],
      ["xpath=(//a[contains(@href, '/Chamados')])[2]", "xpath:href"],
      ["xpath=//dl/div/a", "xpath:position"],
      ["xpath=//a[contains(.,'Voltar')]", "xpath:innerText"]
    ],
    "value": ""
  }]
```

```
  }],
  "suites": [{
    "id": "8966916f-6a81-44b4-8808-e4736e2a5a32",
    "name": "Default Suite",
    "persistSession": false,
    "parallel": false,
    "timeout": 300,
    "tests": ["994f008a-a07f-4155-b2c0-257ba98ccaef"]
  }],
  "urls": ["https://localhost:7128/"],
  "plugins": []
}
```

Figura 4 – Editar chamado

1	open	/	
2	set window size	1115x708	
3	click	css=.container-fluid > .btn > .navbar-toggler-icon	
4	click	linkText=Chamados	
5	click	linkText=Editar	
6	click	id=DataInicio	
7	type	id=DataInicio	2024-05-24T20:53
8	click	id=DataFechamento	
9	click	id=DataFechamento	
10	type	id=DataFechamento	2024-06-01T20:53
11	click	id=Conclusao	
12	type	id=Conclusao	queima de placa

```
{
    "id": "75103980-7671-4f07-99ee-af443dd4f2c8",
    "name": "Editar chamado",
    "commands": [{
      "id": "1a09adf6-32f9-44a0-8b1c-46896fcff2cd",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "56c5cf24-4cbc-493c-9e3e-a0cbe1ffa657",
      "comment": "",
      "command": "setWindowSize",
      "target": "1115x708",
      "targets": [],
      "value": ""
    }, {
      "id": "3dae5c3e-5411-417d-84d2-d220829c871c",
      "comment": "",
```

    "command": "click",
    "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
    "targets": [
      ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
      ["xpath=//span", "xpath:position"]
    ],
    "value": ""
}, {
    "id": "babcd565-4763-4b3b-9cc5-eefa85563d1d",
    "comment": "",
    "command": "click",
    "target": "linkText=Chamados",
    "targets": [
      ["linkText=Chamados", "linkText"],
      ["css=.nav-item:nth-child(2) > .nav-link", "css:finder"],
      ["xpath=//a[contains(text(),'Chamados')]", "xpath:link"],
      ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[2]/a", "xpath:idRelative"],
      ["xpath=//a[contains(@href, '/Chamados')]", "xpath:href"],
      ["xpath=//li[2]/a", "xpath:position"],
      ["xpath=//a[contains(.,'Chamados')]", "xpath:innerText"]
    ],
    "value": ""
}, {
    "id": "3a42beca-d836-4563-a617-9a66be1749dd",
    "comment": "",
    "command": "click",
    "target": "linkText=Editar",
    "targets": [
      ["linkText=Editar", "linkText"],
      ["css=tr:nth-child(1) .btn-primary", "css:finder"],
      ["xpath=//a[contains(text(),'Editar')]", "xpath:link"],
      ["xpath=//a[contains(@href, '/Chamados/Edit/1')]", "xpath:href"],
      ["xpath=//td[9]/a", "xpath:position"],
      ["xpath=//a[contains(.,'Editar')]", "xpath:innerText"]
    ],
    "value": ""
}, {
    "id": "36cad827-56f2-4ffb-b1cd-a57c1212cc5e",
    "comment": "",
    "command": "click",
    "target": "id=DataInicio",
    "targets": [
      ["id=DataInicio", "id"],
      ["name=DataInicio", "name"],
      ["css=#DataInicio", "css:finder"],
      ["xpath=//input[@id='DataInicio']", "xpath:attributes"],
      ["xpath=//div/input", "xpath:position"]
    ],

```
    "value": ""
}, {
  "id": "bfe08918-ff55-46f8-9439-840728c680d2",
  "comment": "",
  "command": "type",
  "target": "id=DataInicio",
  "targets": [
    ["id=DataInicio", "id"],
    ["name=DataInicio", "name"],
    ["css=#DataInicio", "css:finder"],
    ["xpath=//input[@id='DataInicio']", "xpath:attributes"],
    ["xpath=//div/input", "xpath:position"]
  ],
  "value": "2024-05-24T20:53"
}, {
  "id": "1f1dcbea-e2ee-49d2-b875-58d0b5ad9f3b",
  "comment": "",
  "command": "click",
  "target": "id=DataFechamento",
  "targets": [
    ["id=DataFechamento", "id"],
    ["name=DataFechamento", "name"],
    ["css=#DataFechamento", "css:finder"],
    ["xpath=//input[@id='DataFechamento']", "xpath:attributes"],
    ["xpath=//div[2]/input", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "42d81a9c-bad0-4c42-8345-21d19bca537d",
  "comment": "",
  "command": "click",
  "target": "id=DataFechamento",
  "targets": [
    ["id=DataFechamento", "id"],
    ["name=DataFechamento", "name"],
    ["css=#DataFechamento", "css:finder"],
    ["xpath=//input[@id='DataFechamento']", "xpath:attributes"],
    ["xpath=//div[2]/input", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "63896658-8f2e-486a-af6d-b6fee1535002",
  "comment": "",
  "command": "type",
  "target": "id=DataFechamento",
  "targets": [
    ["id=DataFechamento", "id"],
    ["name=DataFechamento", "name"],
```

    ["css=#DataFechamento", "css:finder"],
    ["xpath=//input[@id='DataFechamento']", "xpath:attributes"],
    ["xpath=//div[2]/input", "xpath:position"]
  ],
  "value": "2024-06-01T20:53"
}, {
  "id": "b57fb561-88f8-482c-9616-f72b24e58d05",
  "comment": "",
  "command": "click",
  "target": "id=Conclusao",
  "targets": [
    ["id=Conclusao", "id"],
    ["name=Conclusao", "name"],
    ["css=#Conclusao", "css:finder"],
    ["xpath=//input[@id='Conclusao']", "xpath:attributes"],
    ["xpath=//div[3]/input", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "ac14a5a2-e888-4a0e-bfba-c9fcde812325",
  "comment": "",
  "command": "type",
  "target": "id=Conclusao",
  "targets": [
    ["id=Conclusao", "id"],
    ["name=Conclusao", "name"],
    ["css=#Conclusao", "css:finder"],
    ["xpath=//input[@id='Conclusao']", "xpath:attributes"],
    ["xpath=//div[3]/input", "xpath:position"]
  ],
  "value": "queima de placa"
}, {
  "id": "f686e35f-cd37-4d77-9776-d0e3035298e9",
  "comment": "",
  "command": "click",
  "target": "id=ModalidadeId",
  "targets": [
    ["id=ModalidadeId", "id"],
    ["name=ModalidadeId", "name"],
    ["css=#ModalidadeId", "css:finder"],
    ["xpath=//select[@id='ModalidadeId']", "xpath:attributes"],
    ["xpath=//div[5]/select", "xpath:position"],
    ["xpath=//select[contains(.,'1\n2\n3\n4\n5')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "ac5ad6b8-dad9-436c-ab93-91c4535fef50",
  "comment": "",

```
    "command": "select",
    "target": "id=ModalidadeId",
    "targets": [],
    "value": "label=2"
}, {
    "id": "f8d2978b-4fd2-4d3d-898f-8ba4039cd0f9",
    "comment": "",
    "command": "click",
    "target": "id=TendenciaId",
    "targets": [
      ["id=TendenciaId", "id"],
      ["name=TendenciaId", "name"],
      ["css=#TendenciaId", "css:finder"],
      ["xpath=//select[@id='TendenciaId']", "xpath:attributes"],
      ["xpath=//div[8]/select", "xpath:position"]
    ],
    "value": ""
}, {
    "id": "d82a45ac-4d3e-4870-9bef-d25e45a3ae4b",
    "comment": "",
    "command": "select",
    "target": "id=TendenciaId",
    "targets": [],
    "value": "label=3"
}, {
    "id": "ebf98d7f-d398-482a-b427-e4951a9c5d62",
    "comment": "",
    "command": "click",
    "target": "css=.btn-success",
    "targets": [
      ["css=.btn-success", "css:finder"],
      ["xpath=//button[@value='Criar']", "xpath:attributes"],
      ["xpath=//div[9]/button", "xpath:position"],
      ["xpath=//button[contains(.,'Editar')]", "xpath:innerText"]
    ],     "value": ""   }]
```

Equipamentos

Figura 5 – Criar equipamento

```
{
  "id": "7c744e63-a88d-49c0-bed9-4ee2fdbaf952",
  "version": "2.0",
  "name": "Kontrola equipamentos",
  "url": "https://localhost:7128",
  "tests": [{
    "id": "dcf095ac-324d-43e0-8911-985f503c45fe",
    "name": "Criar equipamento",
    "commands": [{
      "id": "78047b80-17e8-43fb-bb26-88ec0dffc5ad",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "6ab84eef-4360-4e40-a3df-0788aa074d9e",
      "comment": "",
      "command": "setWindowSize",
      "target": "1115x708",
      "targets": [],
      "value": ""
    }, {
      "id": "f3816045-4dba-4ef0-9160-07e45fb04299",
      "comment": "",
      "command": "click",
```

    "target": "css=.container-fluid > .btn",
    "targets": [
      ["css=.container-fluid > .btn", "css:finder"],
      ["xpath=//button[@type='button']", "xpath:attributes"],
      ["xpath=//button", "xpath:position"]
    ],
    "value": ""
}, {
    "id": "8b64350f-9aac-4233-bd75-941867ee27ec",
    "comment": "",
    "command": "click",
    "target": "linkText=Equipamentos",
    "targets": [
      ["linkText=Equipamentos", "linkText"],
      ["css=.nav-item:nth-child(3) > .nav-link", "css:finder"],
      ["xpath=//a[contains(text(),'Equipamentos')]", "xpath:link"],
      ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[3]/a", "xpath:idRelative"],
      ["xpath=//a[contains(@href, '/Equipamentos')]", "xpath:href"],
      ["xpath=//li[3]/a", "xpath:position"],
      ["xpath=//a[contains(.,'Equipamentos')]", "xpath:innerText"]
    ],
    "value": ""
}, {
    "id": "7424f2b5-5f87-47b7-9b90-c16986c00111",
    "comment": "",
    "command": "click",
    "target": "linkText=Novo Equipamento",
    "targets": [
      ["linkText=Novo Equipamento", "linkText"],
      ["css=.btn-success", "css:finder"],
      ["xpath=//a[contains(text(),'Novo Equipamento')]", "xpath:link"],
      ["xpath=//a[contains(@href, '/Equipamentos/Create')]", "xpath:href"],
      ["xpath=//p/a", "xpath:position"],
      ["xpath=//a[contains(.,'Novo Equipamento')]", "xpath:innerText"]
    ],
    "value": ""
}, {
    "id": "36aa11f5-ba98-4b58-ad0a-b87a9f556b89",
    "comment": "",
    "command": "click",
    "target": "id=Marca",
    "targets": [
      ["id=Marca", "id"],
      ["name=Marca", "name"],
      ["css=#Marca", "css:finder"],
      ["xpath=//input[@id='Marca']", "xpath:attributes"],
      ["xpath=//div/input", "xpath:position"]
    ],

```json
    "value": ""
  }, {
    "id": "358527e6-95c2-4597-93d0-a65f0a7e715e",
    "comment": "",
    "command": "type",
    "target": "id=Marca",
    "targets": [
      ["id=Marca", "id"],
      ["name=Marca", "name"],
      ["css=#Marca", "css:finder"],
      ["xpath=//input[@id='Marca']", "xpath:attributes"],
      ["xpath=//div/input", "xpath:position"]
    ],
    "value": "dell"
  }, {
    "id": "3fa208d7-556d-4be2-90be-3ca4688ce26d",
    "comment": "",
    "command": "click",
    "target": "id=Modelo",
    "targets": [
      ["id=Modelo", "id"],
      ["name=Modelo", "name"],
      ["css=#Modelo", "css:finder"],
      ["xpath=//input[@id='Modelo']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "b3c224fe-df27-4c3a-b191-9a30ea9e3aff",
    "comment": "",
    "command": "type",
    "target": "id=Modelo",
    "targets": [
      ["id=Modelo", "id"],
      ["name=Modelo", "name"],
      ["css=#Modelo", "css:finder"],
      ["xpath=//input[@id='Modelo']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": "2500"
  }, {
    "id": "d47ad539-7653-4d6d-a7d7-b47edd6f7b3d",
    "comment": "",
    "command": "click",
    "target": "id=NumeroSerie",
    "targets": [
      ["id=NumeroSerie", "id"],
      ["name=NumeroSerie", "name"],
```

      ["css=#NumeroSerie", "css:finder"],
      ["xpath=//input[@id='NumeroSerie']", "xpath:attributes"],
      ["xpath=//div[3]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "aeb7e5d4-324a-4032-ac7e-009edbd4e4cb",
    "comment": "",
    "command": "type",
    "target": "id=NumeroSerie",
    "targets": [
      ["id=NumeroSerie", "id"],
      ["name=NumeroSerie", "name"],
      ["css=#NumeroSerie", "css:finder"],
      ["xpath=//input[@id='NumeroSerie']", "xpath:attributes"],
      ["xpath=//div[3]/input", "xpath:position"]
    ],
    "value": "25364852"
  }, {
    "id": "b8f4349f-709e-4b05-9855-1239eae21bad",
    "comment": "",
    "command": "click",
    "target": "id=Potencia",
    "targets": [
      ["id=Potencia", "id"],
      ["name=Potencia", "name"],
      ["css=.col-12 > #Potencia", "css:finder"],
      ["xpath=//input[@id='Potencia']", "xpath:attributes"],
      ["xpath=//div[4]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "ba007b29-6000-4fea-8fd4-a22d6b70bdc9",
    "comment": "",
    "command": "type",
    "target": "id=Potencia",
    "targets": [
      ["id=Potencia", "id"],
      ["name=Potencia", "name"],
      ["css=.col-12 > #Potencia", "css:finder"],
      ["xpath=//input[@id='Potencia']", "xpath:attributes"],
      ["xpath=//div[4]/input", "xpath:position"]
    ],
    "value": "100"
  }, {
    "id": "2632fc33-bb46-433e-895a-63fecd196891",
    "comment": "",
    "command": "click",

    "target": "css=.col-md-6:nth-child(5) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(5) > #Potencia", "css:finder"],
      ["xpath=(//input[@id='Potencia'])[2]", "xpath:attributes"],
      ["xpath=//div[5]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "34b8e0b2-476c-4a0d-a2b6-fe5f37088613",
    "comment": "",
    "command": "type",
    "target": "css=.col-md-6:nth-child(5) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(5) > #Potencia", "css:finder"],
      ["xpath=(//input[@id='Potencia'])[2]", "xpath:attributes"],
      ["xpath=//div[5]/input", "xpath:position"]
    ],
    "value": "200"
  }, {
    "id": "f435c217-2ee0-466c-a081-5cf133d46700",
    "comment": "",
    "command": "click",
    "target": "css=.col-md-6:nth-child(6) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(6) > #Potencia", "css:finder"],
      ["xpath=(//input[@id='Potencia'])[3]", "xpath:attributes"],
      ["xpath=//div[6]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "c1646c35-6123-4b16-b023-f2ed9074f4ee",
    "comment": "",
    "command": "type",
    "target": "css=.col-md-6:nth-child(6) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(6) > #Potencia", "css:finder"],
      ["xpath=(//input[@id='Potencia'])[3]", "xpath:attributes"],
      ["xpath=//div[6]/input", "xpath:position"]
    ],
    "value": "300"
  }, {
    "id": "98e4df5b-16a8-4993-854a-2bec9d993579",
    "comment": "",
    "command": "click",
    "target": "css=.col-md-6:nth-child(7) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(7) > #Potencia", "css:finder"],
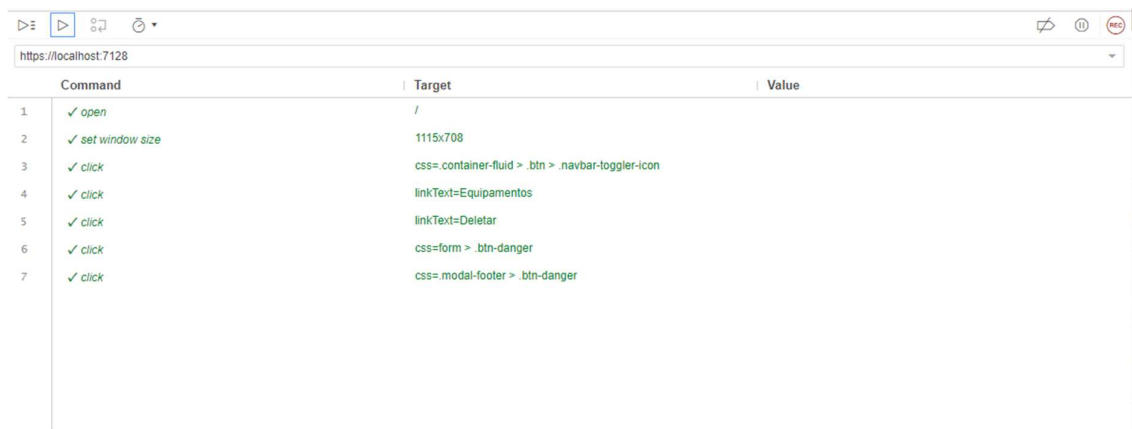   ["xpath=(//input[@id='Potencia'])[4]", "xpath:attributes"],

```
      ["xpath=//div[7]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "6d701b6a-bbc5-44f4-b8ce-51970aa19152",
    "comment": "",
    "command": "type",
    "target": "css=.col-md-6:nth-child(7) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(7) > #Potencia", "css:finder"],
      ["xpath=(//input[@id='Potencia'])[4]", "xpath:attributes"],
      ["xpath=//div[7]/input", "xpath:position"]
    ],
    "value": "notebook"
  }, {
    "id": "f48e795d-8210-43da-bcf9-23b668a5d7cd",
    "comment": "",
    "command": "click",
    "target": "css=.btn-success",
    "targets": [
      ["css=.btn-success", "css:finder"],
      ["xpath=//button[@value='Criar']", "xpath:attributes"],
      ["xpath=//div[9]/button", "xpath:position"],
      ["xpath=//button[contains(.,'Criar')]", "xpath:innerText"]
    ],
    "value": ""
  }]
}
```

Figura 6 – Deletar equipamento

```
{
   "id": "43b792e3-afc5-4e14-995d-9fb9c3d113c2",
   "name": "Deletar equipamento",
   "commands": [{
     "id": "1252586f-7552-4e45-b2d2-76814a1f0c3b",
     "comment": "",
     "command": "open",
     "target": "/",
     "targets": [],
     "value": ""
   }, {
     "id": "e758ff53-5c91-488b-9955-2698cbf938e6",
     "comment": "",
     "command": "setWindowSize",
     "target": "1115x708",
     "targets": [],
     "value": ""
   }, {
     "id": "a714b7a1-6909-4646-9638-7493d8c249e6",
     "comment": "",
     "command": "click",
     "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
     "targets": [
       ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
       ["xpath=//span", "xpath:position"]
     ],
     "value": ""
   }, {
     "id": "abf6696d-73b3-4943-ad6d-5595b572dc6c",
     "comment": "",
     "command": "click",
     "target": "linkText=Equipamentos",
```

```
  "targets": [
   ["linkText=Equipamentos", "linkText"],
   ["css=.nav-item:nth-child(3) > .nav-link", "css:finder"],
   ["xpath=//a[contains(text(),'Equipamentos')]", "xpath:link"],
   ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[3]/a", "xpath:idRelative"],
   ["xpath=//a[contains(@href, '/Equipamentos')]", "xpath:href"],
   ["xpath=//li[3]/a", "xpath:position"],
   ["xpath=//a[contains(.,'Equipamentos')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "0dba00d3-a55c-4bd7-b663-874b35e26a2d",
  "comment": "",
  "command": "click",
  "target": "linkText=Deletar",
  "targets": [
   ["linkText=Deletar", "linkText"],
   ["css=tr:nth-child(1) .btn-danger", "css:finder"],
   ["xpath=//a[contains(text(),'Deletar')]", "xpath:link"],
   ["xpath=//a[contains(@href, '/Equipamentos/Delete/15')]", "xpath:href"],
   ["xpath=//a[3]", "xpath:position"],
   ["xpath=//a[contains(.,'Deletar')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "4fef87eb-3d2d-4c9c-a41b-b214d4ba7000",
  "comment": "",
  "command": "click",
  "target": "css=form > .btn-danger",
  "targets": [
   ["css=form > .btn-danger", "css:finder"],
   ["xpath=//button[@value='Delete']", "xpath:attributes"],
   ["xpath=//form/button", "xpath:position"],
   ["xpath=//button[contains(.,'Deletar')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "e11f2a42-591a-4c0c-814e-00f1b88ebd9b",
  "comment": "",
  "command": "click",
  "target": "css=.modal-footer > .btn-danger",
  "targets": [
   ["css=.modal-footer > .btn-danger", "css:finder"],
   ["xpath=(//button[@value='Delete'])[2]", "xpath:attributes"],
   ["xpath=//div[@id='exampleModal']/div/div/div[3]/button[2]", "xpath:idRelative"],
   ["xpath=//button[2]", "xpath:position"]
  ],
  "value": ""
```
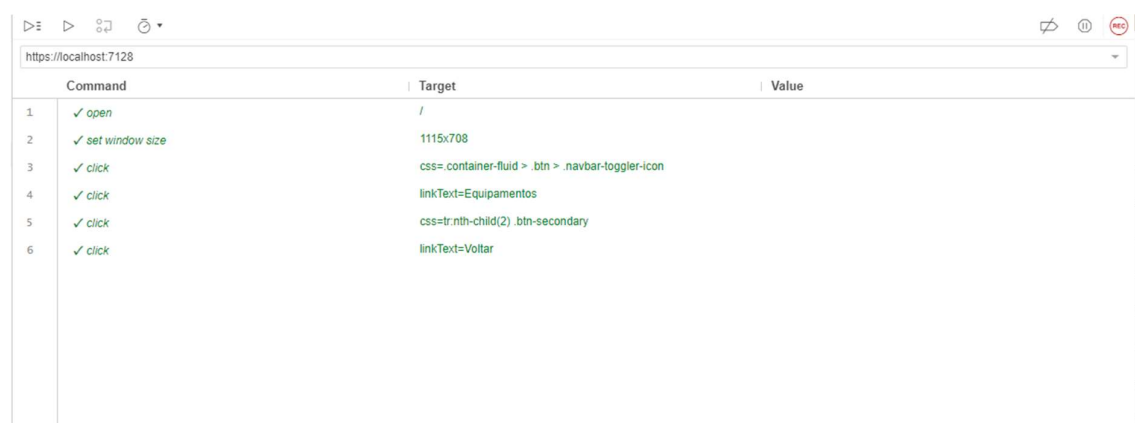
```
    }]
  }],
  "suites": [{
    "id": "82678da4-50ef-4974-b0cb-f9357f40662d",
    "name": "Default Suite",
    "persistSession": false,
    "parallel": false,
    "timeout": 300,
    "tests": ["dcf095ac-324d-43e0-8911-985f503c45fe"]
  }],
  "urls": ["https://localhost:7128/"],
  "plugins": []
}
```

Figura 7 – Detalhes do equipamento

```
{
  "id": "120ff29e-2657-40a2-899e-367ee2e7641e",
  "name": "Detalhes equipamento",
  "commands": [{
    "id": "083d7e2b-2444-484e-b362-cd93b4259ad5",
    "comment": "",
    "command": "open",
    "target": "/",
    "targets": [],
    "value": ""
  }, {
    "id": "eb1bbe36-b0a7-4cf6-9137-a1631d40c77d",
    "comment": "",
    "command": "setWindowSize",
    "target": "1115x708",
    "targets": [],
    "value": ""
```
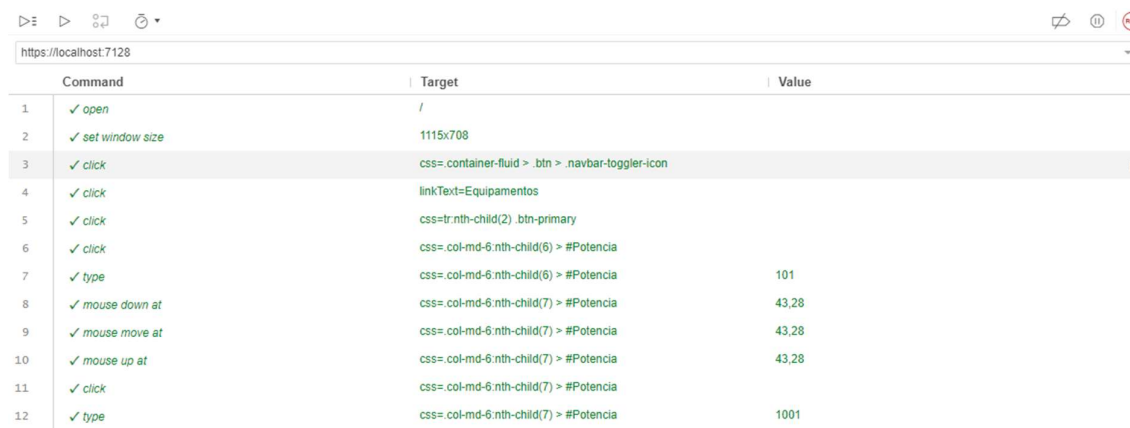
}, {
  "id": "2ff45e73-6f23-4bc2-b082-61fbbbbbd7dd",
  "comment": "",
  "command": "click",
  "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
  "targets": [
    ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
    ["xpath=//span", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "4d63b6dd-9784-4f77-a5db-523a3b85183d",
  "comment": "",
  "command": "click",
  "target": "linkText=Equipamentos",
  "targets": [
    ["linkText=Equipamentos", "linkText"],
    ["css=.nav-item:nth-child(3) > .nav-link", "css:finder"],
    ["xpath=//a[contains(text(),'Equipamentos')]", "xpath:link"],
    ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[3]/a", "xpath:idRelative"],
    ["xpath=//a[contains(@href, '/Equipamentos')]", "xpath:href"],
    ["xpath=//li[3]/a", "xpath:position"],
    ["xpath=//a[contains(.,'Equipamentos')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "5f8ada0f-f647-4f4b-b10c-43b96bf08dfb",
  "comment": "",
  "command": "click",
  "target": "css=tr:nth-child(2) .btn-secondary",
  "targets": [
    ["css=tr:nth-child(2) .btn-secondary", "css:finder"],
    ["xpath=(//a[contains(text(),'Detalhes')])[2]", "xpath:link"],
    ["xpath=//a[contains(@href, '/Equipamentos/Details/16')]", "xpath:href"],
    ["xpath=//tr[2]/td[6]/a[2]", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "5881c613-f550-44b0-9fb7-3aa36dbb26a1",
  "comment": "",
  "command": "click",
  "target": "linkText=Voltar",
  "targets": [
    ["linkText=Voltar", "linkText"],
    ["css=.btn-danger", "css:finder"],
    ["xpath=//a[contains(text(),'Voltar')]", "xpath:link"],
    ["xpath=(//a[contains(@href, '/Equipamentos')])[2]", "xpath:href"],
    ["xpath=//dl/div/a", "xpath:position"],

```
    ["xpath=//a[contains(.,'Voltar')]", "xpath:innerText"]
  ],
  "value": ""
}]
}
```

Figura 8 – Editar equipamento

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	1115x708	
3	✓ click	css=.container-fluid > .btn > .navbar-toggler-icon	
4	✓ click	linkText=Equipamentos	
5	✓ click	css=tr:nth-child(2) .btn-primary	
6	✓ click	css=.col-md-6:nth-child(6) > #Potencia	
7	✓ type	css=.col-md-6:nth-child(6) > #Potencia	101
8	✓ mouse down at	css=.col-md-6:nth-child(7) > #Potencia	43,28
9	✓ mouse move at	css=.col-md-6:nth-child(7) > #Potencia	43,28
10	✓ mouse up at	css=.col-md-6:nth-child(7) > #Potencia	43,28
11	✓ click	css=.col-md-6:nth-child(7) > #Potencia	
12	✓ type	css=.col-md-6:nth-child(7) > #Potencia	1001

```
{
    "id": "d7e79622-b696-4495-a753-f8b019d2213e",
    "name": "Editar equipamento",
    "commands": [{
      "id": "61eac1ab-f24c-48ec-8ad1-a3832242ab2c",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "8bfa460a-793d-4a3a-86c2-e05b5fa5019a",
      "comment": "",
      "command": "setWindowSize",
      "target": "1115x708",
      "targets": [],
      "value": ""
    }, {
      "id": "1915cf90-0025-4d42-9e92-f086e48048c5",
      "comment": "",
      "command": "click",
      "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
      "targets": [
        ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
        ["xpath=//span", "xpath:position"]
```

    ],
    "value": ""
}, {
    "id": "bb937a5d-6ebc-4685-b71e-120d56279418",
    "comment": "",
    "command": "click",
    "target": "linkText=Equipamentos",
    "targets": [
      ["linkText=Equipamentos", "linkText"],
      ["css=.nav-item:nth-child(3) > .nav-link", "css:finder"],
      ["xpath=//a[contains(text(),'Equipamentos')]", "xpath:link"],
      ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[3]/a", "xpath:idRelative"],
      ["xpath=//a[contains(@href, '/Equipamentos')]", "xpath:href"],
      ["xpath=//li[3]/a", "xpath:position"],
      ["xpath=//a[contains(.,'Equipamentos')]", "xpath:innerText"]
    ],
    "value": ""
}, {
    "id": "73ce4135-170c-4875-b8d1-e77d99b9a6a5",
    "comment": "",
    "command": "click",
    "target": "css=tr:nth-child(3) .btn-primary",
    "targets": [
      ["css=tr:nth-child(3) .btn-primary", "css:finder"],
      ["xpath=(//a[contains(text(),'Editar')])[3]", "xpath:link"],
      ["xpath=//a[contains(@href, '/Equipamentos/Edit/17')]", "xpath:href"],
      ["xpath=//tr[3]/td[6]/a", "xpath:position"]
    ],
    "value": ""
}, {
    "id": "bdb2a938-7979-4dd1-9f82-629e2ade1873",
    "comment": "",
    "command": "click",
    "target": "id=Modelo",
    "targets": [
      ["id=Modelo", "id"],
      ["name=Modelo", "name"],
      ["css=#Modelo", "css:finder"],
      ["xpath=//input[@id='Modelo']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": ""
}, {
    "id": "603766cc-cd99-490c-ac09-8c1f9083007a",
    "comment": "",
    "command": "type",
    "target": "id=Modelo",
    "targets": [

```
      ["id=Modelo", "id"],
      ["name=Modelo", "name"],
      ["css=#Modelo", "css:finder"],
      ["xpath=//input[@id='Modelo']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": "2300"
  }, {
    "id": "ee4c9fd0-4df0-4ff0-aaf8-a00a7e084b2b",
    "comment": "",
    "command": "click",
    "target": "id=Potencia",
    "targets": [
      ["id=Potencia", "id"],
      ["name=Potencia", "name"],
      ["css=.col-12 > #Potencia", "css:finder"],
      ["xpath=//input[@id='Potencia']", "xpath:attributes"],
      ["xpath=//div[4]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "0254faa5-600c-4632-bd10-7afeb45b4fba",
    "comment": "",
    "command": "type",
    "target": "id=Potencia",
    "targets": [
      ["id=Potencia", "id"],
      ["name=Potencia", "name"],
      ["css=.col-12 > #Potencia", "css:finder"],
      ["xpath=//input[@id='Potencia']", "xpath:attributes"],
      ["xpath=//div[4]/input", "xpath:position"]
    ],
    "value": "1001"
  }, {
    "id": "0ce9b3a5-6e91-462a-bb7c-96f853496a53",
    "comment": "",
    "command": "click",
    "target": "css=.col-md-6:nth-child(6) > #Potencia",
    "targets": [
      ["css=.col-md-6:nth-child(6) > #Potencia", "css:finder"],
      ["xpath=(//input[@id='Potencia'])[2]", "xpath:attributes"],
      ["xpath=//div[5]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "e0478229-5962-4de0-b3ea-dc85271f4319",
    "comment": "",
    "command": "type",
```

"target": "css=.col-md-6:nth-child(6) > #Potencia",
"targets": [
 ["css=.col-md-6:nth-child(6) > #Potencia", "css:finder"],
 ["xpath=(//input[@id='Potencia'])[2]", "xpath:attributes"],
 ["xpath=//div[5]/input", "xpath:position"]
],
"value": "1002"
}, {
"id": "332cf26c-9b8e-4279-baff-e2394d7b1914",
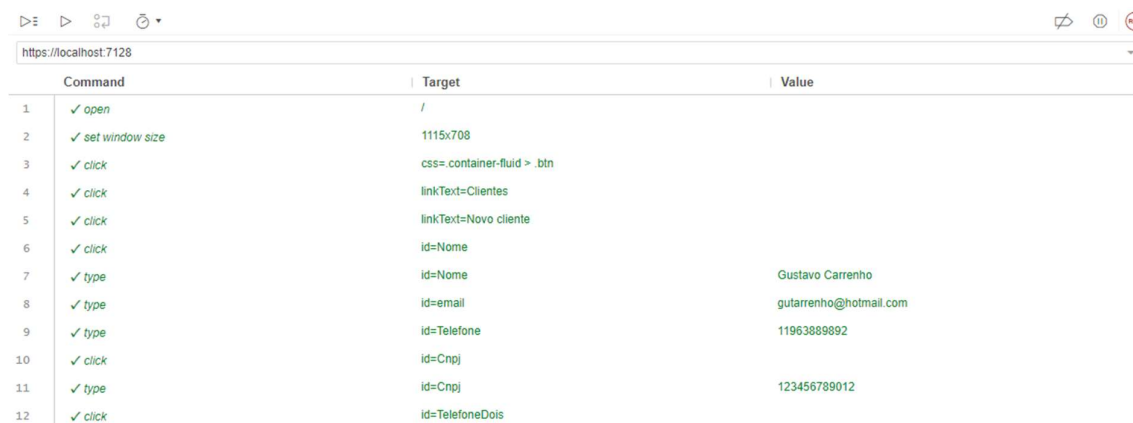"comment": "",
"command": "click",
"target": "css=.col-md-6:nth-child(7) > #Potencia",
"targets": [
 ["css=.col-md-6:nth-child(7) > #Potencia", "css:finder"],
 ["xpath=(//input[@id='Potencia'])[3]", "xpath:attributes"],
 ["xpath=//div[6]/input", "xpath:position"]
],
"value": ""
}, {
"id": "5643d38b-1a56-4517-8175-81eb5de7d846",
"comment": "",
"command": "type",
"target": "css=.col-md-6:nth-child(7) > #Potencia",
"targets": [
 ["css=.col-md-6:nth-child(7) > #Potencia", "css:finder"],
 ["xpath=(//input[@id='Potencia'])[3]", "xpath:attributes"],
 ["xpath=//div[6]/input", "xpath:position"]
],
"value": "1003"
}, {
"id": "a41183d3-9b79-42eb-ad67-4cffedf60f10",
"comment": "",
"command": "click",
"target": "css=.col-md-6:nth-child(8) > #Potencia",
"targets": [
 ["css=.col-md-6:nth-child(8) > #Potencia", "css:finder"],
 ["xpath=(//input[@id='Potencia'])[4]", "xpath:attributes"],
 ["xpath=//div[7]/input", "xpath:position"]
],
"value": ""
}, {
"id": "7a9303d4-0a0c-4330-9034-fc7def48b311",
"comment": "",
"command": "type",
"target": "css=.col-md-6:nth-child(8) > #Potencia",
"targets": [
 ["css=.col-md-6:nth-child(8) > #Potencia", "css:finder"],
 ["xpath=(//input[@id='Potencia'])[4]", "xpath:attributes"],

```
      ["xpath=//div[7]/input", "xpath:position"]
    ],
    "value": "1004"
  }, {
    "id": "28b1e147-3c31-43d7-9888-7cc945501013",
    "comment": "",
    "command": "click",
    "target": "css=.btn-success",
    "targets": [
      ["css=.btn-success", "css:finder"],
      ["xpath=//button[@value='Criar']", "xpath:attributes"],
      ["xpath=//div[9]/button", "xpath:position"],
      ["xpath=//button[contains(.,'Editar')]", "xpath:innerText"]
    ],
    "value": ""
  }]
}
```

Clientes

Figura 9 – Criar cliente

```
{
  "id": "81890051-de8c-4f74-a6df-13891640a8d3",
  "version": "2.0",
  "name": "Kontrola clientes",
  "url": "https://localhost:7128",
  "tests": [{
    "id": "d4b07f46-9052-46b3-99c0-890254fadcb5",
    "name": "Criar cliente",
    "commands": [{
```

"id": "d36e03d6-9557-4243-bd79-ed1912e093b7",
 "comment": "",
 "command": "open",
 "target": "/",
 "targets": [],
 "value": ""
}, {
 "id": "30bfeb9c-618d-4b63-a1a0-2c82dbdbb228",
 "comment": "",
 "command": "setWindowSize",
 "target": "1115x708",
 "targets": [],
 "value": ""
}, {
 "id": "f2bf384b-49a9-4ff5-879e-ffe8d290e397",
 "comment": "",
 "command": "click",
 "target": "css=.container-fluid > .btn",
 "targets": [
  ["css=.container-fluid > .btn", "css:finder"],
  ["xpath=//button[@type='button']", "xpath:attributes"],
  ["xpath=//button", "xpath:position"]
 ],
 "value": ""
}, {
 "id": "5af00e10-23e4-4eb6-8d17-acd6ba092ec9",
 "comment": "",
 "command": "click",
 "target": "linkText=Clientes",
 "targets": [
  ["linkText=Clientes", "linkText"],
  ["css=.nav-item:nth-child(4) > .nav-link", "css:finder"],
  ["xpath=//a[contains(text(),'Clientes')]", "xpath:link"],
  ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[4]/a", "xpath:idRelative"],
  ["xpath=//a[contains(@href, '/Clientes')]", "xpath:href"],
  ["xpath=//li[4]/a", "xpath:position"],
  ["xpath=//a[contains(.,'Clientes')]", "xpath:innerText"]
 ],
 "value": ""
}, {
 "id": "964b91bb-787f-41ab-9351-920d19149cbd",
 "comment": "",
 "command": "click",
 "target": "linkText=Novo cliente",
 "targets": [
  ["linkText=Novo cliente", "linkText"],
  ["css=.btn-success", "css:finder"],
  ["xpath=//a[contains(text(),'Novo cliente')]", "xpath:link"],

```
      ["xpath=//a[contains(@href, '/Clientes/Create')]", "xpath:href"],
      ["xpath=//p/a", "xpath:position"],
      ["xpath=//a[contains(.,'Novo cliente')]", "xpath:innerText"]
    ],
    "value": ""
}, {
  "id": "ea7e43b3-91fa-4cff-9584-94999b80c8e8",
  "comment": "",
  "command": "click",
  "target": "id=Nome",
  "targets": [
    ["id=Nome", "id"],
    ["name=Nome", "name"],
    ["css=#Nome", "css:finder"],
    ["xpath=//input[@id='Nome']", "xpath:attributes"],
    ["xpath=//div/input", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "edce6001-84ab-498b-8f15-a9393fb36cab",
  "comment": "",
  "command": "type",
  "target": "id=Nome",
  "targets": [
    ["id=Nome", "id"],
    ["name=Nome", "name"],
    ["css=#Nome", "css:finder"],
    ["xpath=//input[@id='Nome']", "xpath:attributes"],
    ["xpath=//div/input", "xpath:position"]
  ],
  "value": "Gustavo Carrenho"
}, {
  "id": "5b9ef928-99c9-4f6f-b882-0333022b2e2a",
  "comment": "",
  "command": "type",
  "target": "id=email",
  "targets": [
    ["id=email", "id"],
    ["name=email", "name"],
    ["css=#email", "css:finder"],
    ["xpath=//input[@id='email']", "xpath:attributes"],
    ["xpath=//div[3]/input", "xpath:position"]
  ],
  "value": "gutarrenho@hotmail.com"
}, {
  "id": "c9cdf787-71b6-451a-ab63-cd0e5280ea7f",
  "comment": "",
  "command": "type",
```

    "target": "id=Telefone",
    "targets": [
      ["id=Telefone", "id"],
      ["name=Telefone", "name"],
      ["css=#Telefone", "css:finder"],
      ["xpath=//input[@id='Telefone']", "xpath:attributes"],
      ["xpath=//div[4]/input", "xpath:position"]
    ],
    "value": "11963889892"
  }, {
    "id": "913819b1-ef77-40d8-a1e0-361bda445a43",
    "comment": "",
    "command": "click",
    "target": "id=Cnpj",
    "targets": [
      ["id=Cnpj", "id"],
      ["name=Cnpj", "name"],
      ["css=#Cnpj", "css:finder"],
      ["xpath=//input[@id='Cnpj']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": ""
  }, {
    "id": "00e27286-7f00-41bf-9a5a-77ffb5d138f3",
    "comment": "",
    "command": "type",
    "target": "id=Cnpj",
    "targets": [
      ["id=Cnpj", "id"],
      ["name=Cnpj", "name"],
      ["css=#Cnpj", "css:finder"],
      ["xpath=//input[@id='Cnpj']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": "123456789012"
  }, {
    "id": "41079de5-bd60-40b3-8bd0-a80b6a00437f",
    "comment": "",
    "command": "click",
    "target": "id=TelefoneDois",
    "targets": [
      ["id=TelefoneDois", "id"],
      ["name=TelefoneDois", "name"],
      ["css=#TelefoneDois", "css:finder"],
      ["xpath=//input[@id='TelefoneDois']", "xpath:attributes"],
      ["xpath=//div[5]/input", "xpath:position"]
    ],
    "value": ""

```json
    }, {
      "id": "15330a41-854d-4bab-8d79-ea337dfcf43f",
      "comment": "",
      "command": "type",
      "target": "id=TelefoneDois",
      "targets": [
        ["id=TelefoneDois", "id"],
        ["name=TelefoneDois", "name"],
        ["css=#TelefoneDois", "css:finder"],
        ["xpath=//input[@id='TelefoneDois']", "xpath:attributes"],
        ["xpath=//div[5]/input", "xpath:position"]
      ],
      "value": "11963889892"
    }, {
      "id": "e3ddd050-c83e-41b9-a886-3d07ec84e1b6",
      "comment": "",
      "command": "click",
      "target": "css=.col-12 > .btn-primary",
      "targets": [
        ["css=.col-12 > .btn-primary", "css:finder"],
        ["xpath=//button[@value='Create']", "xpath:attributes"],
        ["xpath=//div[6]/button", "xpath:position"],
        ["xpath=//button[contains(.,'Criar')]", "xpath:innerText"]
      ],
      "value": ""
    }]
  }
```
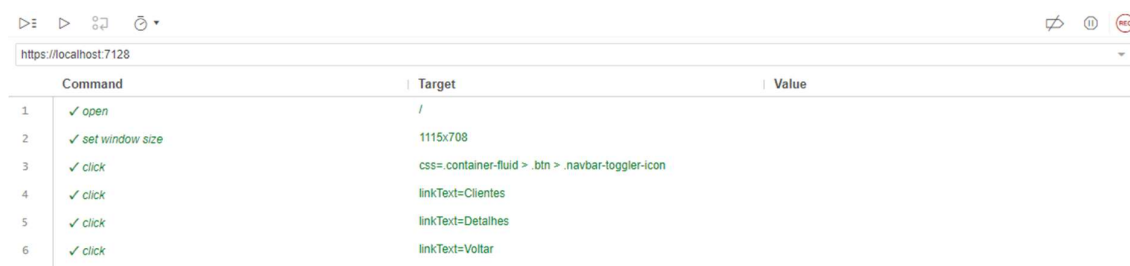
Figura 10 – Criar cliente

```json
{
  "id": "ae49efc7-ef4d-4616-93fb-0ed22fa29c82",
  "name": "Detalhes cliente",
  "commands": [{
    "id": "d582d3c5-813c-417f-b2c5-09312e420c1d",
    "comment": "",
    "command": "open",
```

```
    "target": "/",
    "targets": [],
    "value": ""
}, {
  "id": "236e3fd4-8414-4448-829a-d2b42ed8628a",
  "comment": "",
  "command": "setWindowSize",
  "target": "1115x708",
  "targets": [],
  "value": ""
}, {
  "id": "68dbae3e-23a2-473e-af3e-5f12bcf07f21",
  "comment": "",
  "command": "click",
  "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
  "targets": [
    ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
    ["xpath=//span", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "c63fd9cb-72b4-42e9-8050-f1ad707f17c3",
  "comment": "",
  "command": "click",
  "target": "linkText=Clientes",
  "targets": [
    ["linkText=Clientes", "linkText"],
    ["css=.nav-item:nth-child(4) > .nav-link", "css:finder"],
    ["xpath=//a[contains(text(),'Clientes')]", "xpath:link"],
    ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[4]/a", "xpath:idRelative"],
    ["xpath=//a[contains(@href, '/Clientes')]", "xpath:href"],
    ["xpath=//li[4]/a", "xpath:position"],
    ["xpath=//a[contains(.,'Clientes')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "02475345-0d27-400b-89c6-89f09d2d2cb9",
  "comment": "",
  "command": "click",
  "target": "linkText=Detalhes",
  "targets": [
    ["linkText=Detalhes", "linkText"],
    ["css=tr:nth-child(1) .btn-secondary", "css:finder"],
    ["xpath=//a[contains(text(),'Detalhes')]", "xpath:link"],
    ["xpath=//a[contains(@href, '/Clientes/Details/23')]", "xpath:href"],
    ["xpath=//a[2]", "xpath:position"],
    ["xpath=//a[contains(.,'Detalhes')]", "xpath:innerText"]
  ],
```

```
      "value": ""
    }, {
      "id": "3589cee6-7b01-4b54-bc74-efc2adc3d67f",
      "comment": "",
      "command": "click",
      "target": "linkText=Voltar",
      "targets": [
        ["linkText=Voltar", "linkText"],
        ["css=.btn-danger", "css:finder"],
        ["xpath=//a[contains(text(),'Voltar')]", "xpath:link"],
        ["xpath=(//a[contains(@href, '/Clientes')])[2]", "xpath:href"],
        ["xpath=//dl/div/a", "xpath:position"],
        ["xpath=//a[contains(.,'Voltar')]", "xpath:innerText"]
      ],
      "value": ""
    }]
  },
```

Figura 11 – Editar cliente

```
{
  "id": "3969d08c-47eb-466a-94bc-0591035cd868",
  "name": "Editar cliente",
  "commands": [{
    "id": "03283e50-c786-4867-9ae0-74e18a167de6",
    "comment": "",
    "command": "open",
    "target": "/",
    "targets": [],
    "value": ""
  }, {
    "id": "a3712016-17a8-496d-a7c9-9bfa12d948d4",
    "comment": "",
    "command": "setWindowSize",
    "target": "1115x708",
    "targets": [],
```

```
    "value": ""
}, {
  "id": "43a0b827-b23f-4043-bd14-36334cf1dad1",
  "comment": "",
  "command": "click",
  "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
  "targets": [
    ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
    ["xpath=//span", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "769ec10b-d96d-4b0a-8e9d-811395bc2deb",
  "comment": "",
  "command": "click",
  "target": "linkText=Clientes",
  "targets": [
    ["linkText=Clientes", "linkText"],
    ["css=.nav-item:nth-child(4) > .nav-link", "css:finder"],
    ["xpath=//a[contains(text(),'Clientes')]", "xpath:link"],
    ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[4]/a", "xpath:idRelative"],
    ["xpath=//a[contains(@href, '/Clientes')]", "xpath:href"],
    ["xpath=//li[4]/a", "xpath:position"],
    ["xpath=//a[contains(.,'Clientes')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "13619943-2bf7-41d7-b57d-dcde4f8824e0",
  "comment": "",
  "command": "click",
  "target": "linkText=Editar",
  "targets": [
    ["linkText=Editar", "linkText"],
    ["css=tr:nth-child(1) .btn-primary", "css:finder"],
    ["xpath=//a[contains(text(),'Editar')]", "xpath:link"],
    ["xpath=//a[contains(@href, '/Clientes/Edit/23')]", "xpath:href"],
    ["xpath=//td[6]/a", "xpath:position"],
    ["xpath=//a[contains(.,'Editar')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "44737278-10b0-4d71-b392-cab8d6ff3163",
  "comment": "",
  "command": "click",
  "target": "id=email",
  "targets": [
    ["id=email", "id"],
    ["name=email", "name"],
```
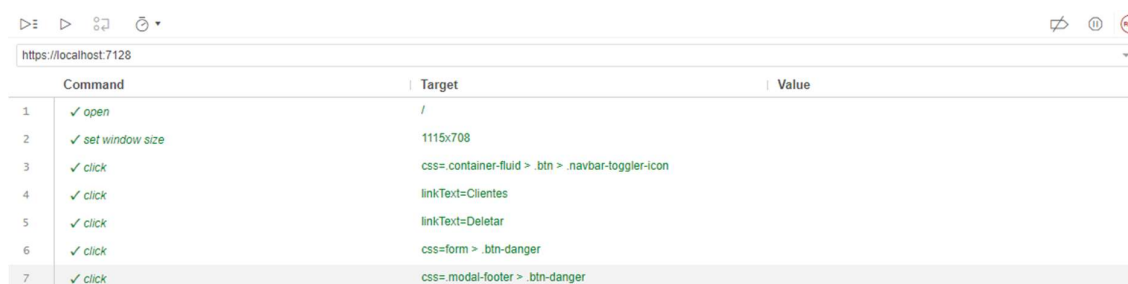
```
    ["css=#email", "css:finder"],
    ["xpath=//input[@id='email']", "xpath:attributes"],
    ["xpath=//div[3]/input", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "b22cd066-89ed-4e84-aa3b-775c7584a65f",
  "comment": "",
  "command": "type",
  "target": "id=email",
  "targets": [
    ["id=email", "id"],
    ["name=email", "name"],
    ["css=#email", "css:finder"],
    ["xpath=//input[@id='email']", "xpath:attributes"],
    ["xpath=//div[3]/input", "xpath:position"]
  ],
  "value": "gutarrenho@gmail.com"
}, {
  "id": "da992048-0331-419d-84ef-86182c27b441",
  "comment": "",
  "command": "click",
  "target": "css=.btn-success",
  "targets": [
    ["css=.btn-success", "css:finder"],
    ["xpath=//button[@value='Save']", "xpath:attributes"],
    ["xpath=//div[6]/button", "xpath:position"],
    ["xpath=//button[contains(.,'Editar')]", "xpath:innerText"]
  ],
  "value": ""
}]
}
```

Figura 12 – Deletar cliente

```
{
  "id": "738fdb08-413b-43a0-aa12-a205fd064629",
```

"name": "Deletar cliente",
"commands": [{
  "id": "5ecd4518-acb2-4009-8d96-5347282df410",
  "comment": "",
  "command": "open",
  "target": "/",
  "targets": [],
  "value": ""
}, {
  "id": "418276b6-6722-4626-9442-e9206f8c01af",
  "comment": "",
  "command": "setWindowSize",
  "target": "1115x708",
  "targets": [],
  "value": ""
}, {
  "id": "2ae9ff0e-2289-43e4-8a08-3a5428b8fdf1",
  "comment": "",
  "command": "click",
  "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
  "targets": [
    ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
    ["xpath=//span", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "2fbf942f-e84b-4608-a7a9-94d6af0f5a1c",
  "comment": "",
  "command": "click",
  "target": "linkText=Clientes",
  "targets": [
    ["linkText=Clientes", "linkText"],
    ["css=.nav-item:nth-child(4) > .nav-link", "css:finder"],
    ["xpath=//a[contains(text(),'Clientes')]", "xpath:link"],
    ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[4]/a", "xpath:idRelative"],
    ["xpath=//a[contains(@href, '/Clientes')]", "xpath:href"],
    ["xpath=//li[4]/a", "xpath:position"],
    ["xpath=//a[contains(.,'Clientes')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "28c74fb6-057f-494f-acf1-abfe6b79c02d",
  "comment": "",
  "command": "click",
  "target": "linkText=Deletar",
  "targets": [
    ["linkText=Deletar", "linkText"],
    ["css=tr:nth-child(1) .btn-danger", "css:finder"],

          ["xpath=//a[contains(text(),'Deletar')]", "xpath:link"],
          ["xpath=//a[contains(@href, '/Clientes/Delete/23')]", "xpath:href"],
          ["xpath=//a[3]", "xpath:position"],
          ["xpath=//a[contains(.,'Deletar')]", "xpath:innerText"]
        ],
        "value": ""
      }, {
        "id": "615cfc2d-04c9-4863-93bc-6d096c4ce98c",
        "comment": "",
        "command": "click",
        "target": "css=form > .btn-danger",
        "targets": [
          ["css=form > .btn-danger", "css:finder"],
          ["xpath=//button[@value='Delete']", "xpath:attributes"],
          ["xpath=//form/button", "xpath:position"],
          ["xpath=//button[contains(.,'Deletar')]", "xpath:innerText"]
        ],
        "value": ""
      }, {
        "id": "69ac187d-f2ce-4106-a22b-a6d329d9fe5b",
        "comment": "",
        "command": "click",
        "target": "css=.modal-footer > .btn-danger",
        "targets": [
          ["css=.modal-footer > .btn-danger", "css:finder"],
          ["xpath=(//button[@value='Delete'])[2]", "xpath:attributes"],
          ["xpath=//div[@id='exampleModal']/div/div/div[3]/button[2]", "xpath:idRelative"],
          ["xpath=//button[2]", "xpath:position"]
        ],
        "value": ""
      }]
    }],
  "suites": [{
    "id": "c5164145-4fbc-43b3-80ab-d92f05ccae93",
    "name": "Default Suite",
    "persistSession": false,
    "parallel": false,
    "timeout": 300,
    "tests": ["d4b07f46-9052-46b3-99c0-890254fadcb5"]
  }],
  "urls": ["https://localhost:7128/"],
  "plugins": []
}

Registrar usuário

Figura 13 – Registrar membro

```
{
    "id": "16e12b36-6325-4c0c-b7c1-68462722a7b5",
    "name": "Registrar Membro",
    "commands": [{
      "id": "c4739292-9754-4673-8ff7-4c7bcef08a38",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "a25f86e2-7be4-4d25-b9d3-423084b208bb",
      "comment": "",
      "command": "setWindowSize",
      "target": "1115x708",
      "targets": [],
      "value": ""
    }, {
      "id": "584a7f2b-35a0-431e-b68c-662c72e2899d",
      "comment": "",
      "command": "click",
      "target": "css=.container-fluid > .btn > .navbar-toggler-icon",
      "targets": [
        ["css=.container-fluid > .btn > .navbar-toggler-icon", "css:finder"],
        ["xpath=//span", "xpath:position"]
      ],
      "value": ""
    }, {
      "id": "ad3ec281-1bbb-404e-8456-4a538d8ff7a4",
```

    "comment": "",
    "command": "click",
    "target": "linkText=Registrar novos usuarios",
    "targets": [
     ["linkText=Registrar novos usuarios", "linkText"],
     ["css=.nav-item:nth-child(5) > .nav-link", "css:finder"],
     ["xpath=//a[contains(text(),'Registrar novos usuarios')]", "xpath:link"],
     ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[5]/a", "xpath:idRelative"],
     ["xpath=//a[contains(@href, '/Account/Register')]", "xpath:href"],
     ["xpath=//li[5]/a", "xpath:position"],
     ["xpath=//a[contains(.,' Registrar novos usuarios')]", "xpath:innerText"]
    ],
    "value": ""
   }, {
    "id": "fb4e479b-2d5d-45e0-b137-fa92f554a687",
    "comment": "",
    "command": "click",
    "target": "id=UserName",
    "targets": [
     ["id=UserName", "id"],
     ["name=UserName", "name"],
     ["css=#UserName", "css:finder"],
     ["xpath=//input[@id='UserName']", "xpath:attributes"],
     ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": ""
   }, {
    "id": "daf0f2d4-7730-4c3a-9a88-5f227b7a343e",
    "comment": "",
    "command": "type",
    "target": "id=UserName",
    "targets": [
     ["id=UserName", "id"],
     ["name=UserName", "name"],
     ["css=#UserName", "css:finder"],
     ["xpath=//input[@id='UserName']", "xpath:attributes"],
     ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": "Membro"
   }, {
    "id": "1043cf23-eb0d-4845-8707-66edba4eddb4",
    "comment": "",
    "command": "type",
    "target": "id=Password",
    "targets": [
     ["id=Password", "id"],
     ["name=Password", "name"],
     ["css=#Password", "css:finder"],

```
          ["xpath=//input[@id='Password']", "xpath:attributes"],
          ["xpath=//div[3]/input", "xpath:position"]
        ],
        "value": "@Menbro123"
      }, {
        "id": "7e73c8c5-d6b0-4692-8a3d-99ba22d998b7",
        "comment": "",
        "command": "type",
        "target": "id=Role",
        "targets": [
          ["id=Role", "id"],
          ["name=Role", "name"],
          ["css=#Role", "css:finder"],
          ["xpath=//input[@id='Role']", "xpath:attributes"],
          ["xpath=//div[4]/input", "xpath:position"]
        ],
        "value": "member"
      }, {
        "id": "f4cccefb-c2ff-4e43-816a-c1e51acb4805",
        "comment": "",
        "command": "click",
        "target": "css=.btn-success",
        "targets": [
          ["css=.btn-success", "css:finder"],
          ["xpath=//input[@value='Registrar']", "xpath:attributes"],
          ["xpath=//div[5]/input", "xpath:position"]
        ],
        "value": ""
      }, {
        "id": "bffeb885-591c-4122-baac-4a7803c79a48",
        "comment": "",
        "command": "close",
        "target": "",
        "targets": [],
        "value": ""
      }]
    }],
    "suites": [{
      "id": "eb1689d5-f9c1-423f-909b-f58b9e5b4783",
      "name": "Default Suite",
      "persistSession": false,
      "parallel": false,
      "timeout": 300,
      "tests": []
    }],
    "urls": ["https://localhost:7128/"],
    "plugins": []
}
```

Figura 14 - Registrar admin

```
{
 "id": "6ee4061f-d8ce-4146-ab6a-12d4578601c8",
  "version": "2.0",
  "name": "Kontrola registrar usuario",
  "url": "https://localhost:7128",
  "tests": [{
    "id": "35e3d973-2691-47c5-8ef8-d5400df2c45b",
    "name": "Registrar admin",
    "commands": [{
      "id": "83a7e1cb-67b0-4733-b274-f279621c607e",
      "comment": "",
      "command": "open",
      "target": "/",
      "targets": [],
      "value": ""
    }, {
      "id": "2a5b1c86-66ab-446c-b556-53d2261555b7",
      "comment": "",
      "command": "setWindowSize",
      "target": "1115x708",
      "targets": [],
      "value": ""
    }, {
      "id": "e17f4f98-b637-41b6-ba48-a8e7b6f15a6b",
      "comment": "",
      "command": "mouseOver",
      "target": "css=.container-fluid > .btn",
      "targets": [
        ["css=.container-fluid > .btn", "css:finder"],
        ["xpath=//button[@type='button']", "xpath:attributes"],
        ["xpath=//button", "xpath:position"]
      ],
      "value": ""
```

```json
}, {
  "id": "ca01414b-b294-454b-ba2d-4d3ca80da79e",
  "comment": "",
  "command": "click",
  "target": "css=.container-fluid > .btn",
  "targets": [
   ["css=.container-fluid > .btn", "css:finder"],
   ["xpath=//button[@type='button']", "xpath:attributes"],
   ["xpath=//button", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "d4d5f5d0-172d-4f20-ab09-352c023bb5c5",
  "comment": "",
  "command": "mouseOut",
  "target": "css=.container-fluid > .btn",
  "targets": [
   ["css=.container-fluid > .btn", "css:finder"],
   ["xpath=//button[@type='button']", "xpath:attributes"],
   ["xpath=//button", "xpath:position"]
  ],
  "value": ""
}, {
  "id": "9f5e7757-aed5-444d-bda6-cb882bb0c02b",
  "comment": "",
  "command": "click",
  "target": "linkText=Registrar novos usuarios",
  "targets": [
   ["linkText=Registrar novos usuarios", "linkText"],
   ["css=.nav-item:nth-child(5) > .nav-link", "css:finder"],
   ["xpath=//a[contains(text(),'Registrar novos usuarios')]", "xpath:link"],
   ["xpath=//div[@id='offcanvasNavbar']/div[2]/ul/li[5]/a", "xpath:idRelative"],
   ["xpath=//a[contains(@href, '/Account/Register')]", "xpath:href"],
   ["xpath=//li[5]/a", "xpath:position"],
   ["xpath=//a[contains(.,' Registrar novos usuarios')]", "xpath:innerText"]
  ],
  "value": ""
}, {
  "id": "38c5b0b6-0874-414a-867e-bba9c173cddb",
  "comment": "",
  "command": "click",
  "target": "id=UserName",
  "targets": [
   ["id=UserName", "id"],
   ["name=UserName", "name"],
   ["css=#UserName", "css:finder"],
   ["xpath=//input[@id='UserName']", "xpath:attributes"],
   ["xpath=//div[2]/input", "xpath:position"]
```

```
    ],
    "value": ""
}, {
    "id": "51e2d71c-988d-4c28-b7f2-3da59623f676",
    "comment": "",
    "command": "type",
    "target": "id=UserName",
    "targets": [
      ["id=UserName", "id"],
      ["name=UserName", "name"],
      ["css=#UserName", "css:finder"],
      ["xpath=//input[@id='UserName']", "xpath:attributes"],
      ["xpath=//div[2]/input", "xpath:position"]
    ],
    "value": "Carrenho"
}, {
    "id": "2036affc-7b81-47cb-87f2-9ed64d8506c1",
    "comment": "",
    "command": "click",
    "target": "id=Password",
    "targets": [
      ["id=Password", "id"],
      ["name=Password", "name"],
      ["css=#Password", "css:finder"],
      ["xpath=//input[@id='Password']", "xpath:attributes"],
      ["xpath=//div[3]/input", "xpath:position"]
    ],
    "value": ""
}, {
    "id": "173c1592-6cc8-419b-a3b0-fbf4278de137",
    "comment": "",
    "command": "type",
    "target": "id=Password",
    "targets": [
      ["id=Password", "id"],
      ["name=Password", "name"],
      ["css=#Password", "css:finder"],
      ["xpath=//input[@id='Password']", "xpath:attributes"],
      ["xpath=//div[3]/input", "xpath:position"]
    ],
    "value": "@Carrenho29"
}, {
    "id": "d6e6ca3e-17fb-4552-b849-fd38902d2e79",
    "comment": "",
    "command": "click",
    "target": "id=Role",
    "targets": [
      ["id=Role", "id"],
```

        ["name=Role", "name"],
        ["css=#Role", "css:finder"],
        ["xpath=//input[@id='Role']", "xpath:attributes"],
        ["xpath=//div[4]/input", "xpath:position"]
      ],
      "value": ""
    }, {
      "id": "4a60ecbf-886b-4b02-a5a3-7b12b22debc1",
      "comment": "",
      "command": "type",
      "target": "id=Role",
      "targets": [
        ["id=Role", "id"],
        ["name=Role", "name"],
        ["css=#Role", "css:finder"],
        ["xpath=//input[@id='Role']", "xpath:attributes"],
        ["xpath=//div[4]/input", "xpath:position"]
      ],
      "value": "Admin"
    }, {
      "id": "a72a379d-8fd0-4052-a20e-3334dc289775",
      "comment": "",
      "command": "click",
      "target": "css=.btn-success",
      "targets": [
        ["css=.btn-success", "css:finder"],
        ["xpath=//input[@value='Registrar']", "xpath:attributes"],
        ["xpath=//div[5]/input", "xpath:position"]
      ],
      "value": ""
    }, {
      "id": "ea19b655-f6b0-4dfc-9856-d354cc884c64",
      "comment": "",
      "command": "close",
      "target": "",
      "targets": [],
      "value": ""
    }]
}