



Sistemas Web Seguros

Atividade Somativa 1



ATIVIDADE SOMATIVA

ATIVIDADE SOMATIVA 1: SISRH – Construção de web service REST

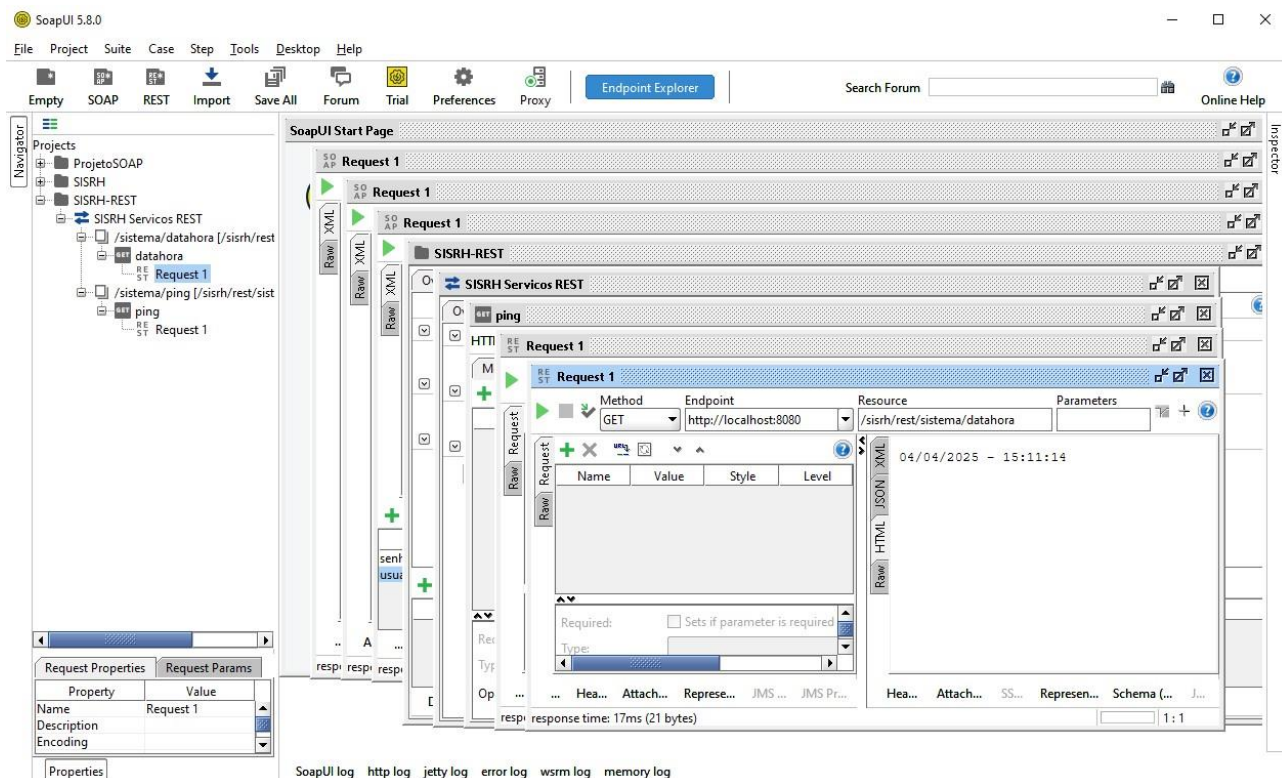
ESTUDANTE: Vanessa Milani Ratusznei

Atividade 1: Transformando o SISRH em um sistema *web service* REST

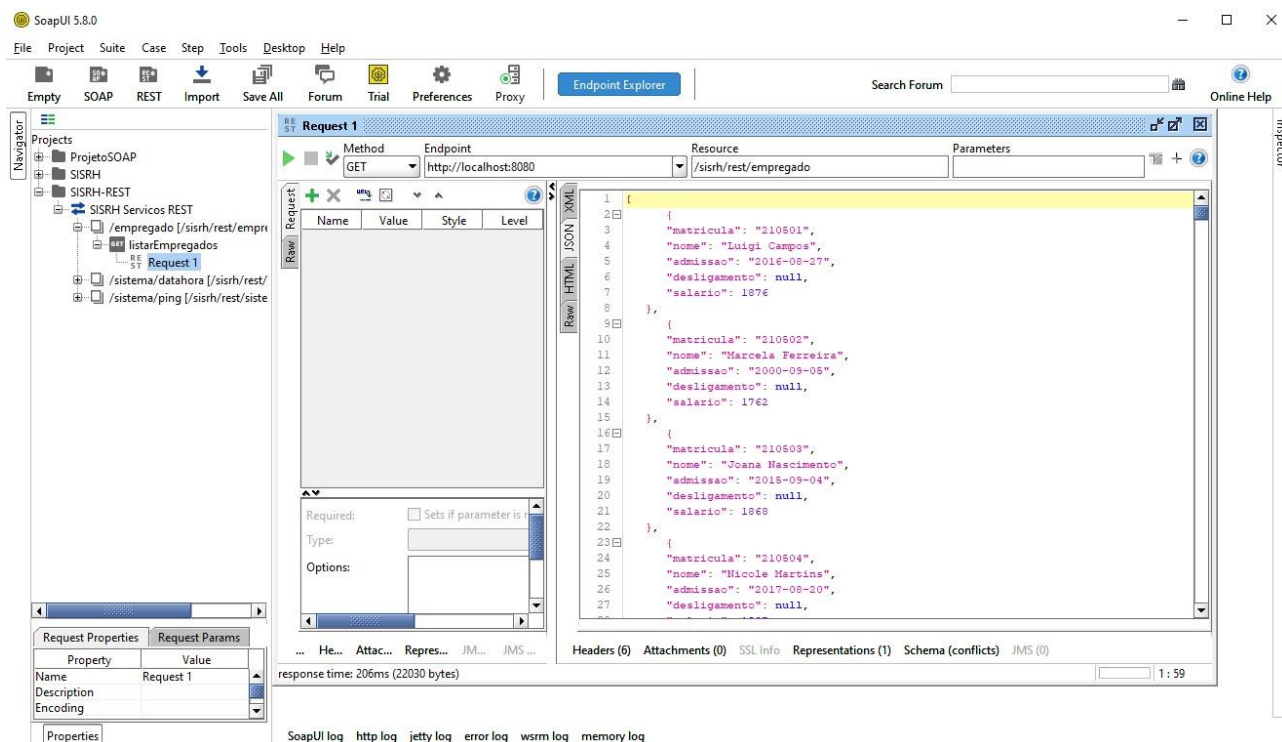
The screenshot displays the SoapUI 5.8.0 application window. The main interface is divided into several panes:

- Navigator:** Shows a project tree with folders for 'ProjetoSOAP', 'SISRH', and 'SISRH-REST'. Under 'SISRH-REST', there is a 'SISRH-Servicos REST' folder containing a 'datahora' resource with a 'Request 1' and a 'ping' resource with a 'Request 1'.
- Request Properties:** A table showing the properties of the selected request.
- Request Params:** A table showing the parameters of the selected request.
- Request:** The main area for configuring the REST request. It shows a 'GET' method, an endpoint of 'http://localhost:8080', and a resource of '/sisrh/rest/sistema/ping'. The response body is displayed as 'pong: 92901214-a2b1-4711-88b7-183401ea4b54'.
- Inspector:** A pane on the right side of the window, currently empty.

At the bottom of the window, there is a status bar with logs for 'SoapUI log', 'http log', 'jetty log', 'error log', 'wsrm log', and 'memory log'.



Atividade 2: Serviço para listar empregados





Atividade 3: Obter um empregado

SoapUI 5.8.0

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Projects

- ProjetoSOAP
- SISRH
- SISRH-REST
- SISRH Servicos REST
 - /empregado [/sisrh/rest/emp...
 - /empregado(matricula) [/sisrh...
 - obterEmpregado
 - Request 1
 - /sistema/datahora [/sisrh/rest/...
 - /sistema/ping [/sisrh/rest/siste...

Request 1

Method: GET Endpoint: http://localhost:8080 Resource: /sisrh/rest/empregado/{matricula} Parameters:

Name	Value	Style	Level
matricula	210503	TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Type:

Options:

response time: 41ms (109 bytes)

Headers... Attachmen... SSL L... Representation... Schema (confil... JMS ...

1 {
2 "matricula": "210503",
3 "nome": "Joana Nascimento",
4 "admissao": "2016-09-04",
5 "desligamento": null,
6 "salario": 1868
7 }

SoapUI log http log jetty log error log wsrm log memory log

Atividade 4: Incluir empregados

SoapUI 5.8.0

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Projects

- ProjetoSOAP
- SISRH
- SISRH-REST
- SISRH Servicos REST
 - /empregado [/sisrh/rest/emp...
 - listarEmpregados
 - incluirEmpregado
 - Request 1
 - /empregado(matricula) [/sisrh...
 - /sistema/datahora [/sisrh/rest/...
 - /sistema/ping [/sisrh/rest/siste...

Request 1

Method: POST Endpoint: http://localhost:8080 Resource: /sisrh/rest/empregado Parameters:

Name	Value	Style	Level
<pre>{ "matricula": "10001", "nome": "Usuario Teste", "admissao": "2024-12-31", "desligamento": "2024-01-01", "salario": 3500.52 }</pre>			

Required: ☐ Sets if parameter is required

Media Type: application/json ☐ Post QueryString

resp: response time: 25ms (114 bytes)

Headers... Attachmen... SSL L... Representation... Schema (conf... JMS ...

1 {
2 "matricula": "10001",
3 "nome": "Usuario Teste",
4 "admissao": "2024-12-31",
5 "desligamento": "2024-01-01",
6 "salario": 3500.52
7 }

SoapUI log http log jetty log error log wsrm log memory log



Atividade 5: Alterar empregados

Request 1

Name	Value	Style	Level
matricula	10001	TEMPLATE	RESOURCE

Media Type: application/json

```
{
  "nome": "Usuario Teste",
  "admissao": "2023-12-31",
  "desligamento": "2024-12-31",
  "salario": 1000.52
}
```

response time: 458ms (114 bytes)

Atividade 6: Excluir empregados

Request 1

Name	Value	Style	Level
matricula	10001	TEMPLATE	RESOURCE

Media Type: application/json

```
{
  "mensagem": "Empregado 10001 excluido!"
}
```

response time: 57ms (44 bytes)



Atividade 7: Listar solicitações

SoapUI 5.8.0

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Projects

- ProjetoSOAP
- SISRH
- SISRH-REST
 - SISRH Servicos REST
 - /empregado [/sish/rest/emp]
 - /empregado/matricula [/sish/rest/empregado/matricula]
 - /sistema/datahora [/sish/rest/sistema/datahora]
 - /sistema/ping [/sish/rest/sistema/ping]
 - /solicitacao [/sish/rest/solicitacao]
 - listarSolicitacoes (Request 1)
 - /solicitacao/{id} [/sish/rest/solicitacao/{id}] (Request 1)
 - obterSolicitacao (Request 1)

Request 1

Method: GET Endpoint: http://localhost:8080 Resource: /sish/rest/solicitacao

Parameters:

Name	Value	Style	Level

Required: ☐ Sets if parameter is required

Type:

Options:

response time: 228ms (4662 bytes)

Headers... Attachmen... Representatio... JMS Hea... JMS Propert...

Raw JSON XML

```
1 {
2   "id": 1001,
3   "data": "2020-10-15",
4   "descricao": "Licença Médica",
5   "situacao": 2,
6   "matricula": "210523"
7 },
8 {
9   "id": 1002,
10  "data": "2019-06-08",
11  "descricao": "Licença Médica",
12  "situacao": 1,
13  "matricula": "210524"
14 },
15 {
16   "id": 1003,
17   "data": "2019-03-01",
18   "descricao": "Licença Médica",
19   "situacao": 1,
20   "matricula": "210525"
21 },
22 {
23   "id": 1004,
24   "data": "2019-10-05",
25   "descricao": "Licença Médica"
26 }
```

SoapUI log http log jetty log error log wsrn log memory log

SoapUI 5.8.0

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Projects

- ProjetoSOAP
- SISRH
- SISRH-REST
 - SISRH Servicos REST
 - /empregado [/sish/rest/emp]
 - /empregado/matricula [/sish/rest/empregado/matricula]
 - /sistema/datahora [/sish/rest/sistema/datahora]
 - /sistema/ping [/sish/rest/sistema/ping]
 - /solicitacao [/sish/rest/solicitacao]
 - listarSolicitacoes (Request 1)
 - /solicitacao/{id} [/sish/rest/solicitacao/{id}] (Request 1)
 - obterSolicitacao (Request 1)

Request 1

Method: GET Endpoint: http://localhost:8080 Resource: /sish/rest/solicitacao/{id}

Parameters:

Name	Value	Style	Level
id	1002	TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Type:

Options:

resp: response time: 27ms (96 bytes)

Headers... Attachment... SSL L... Representation... Schema (confl... JMS ...

Raw JSON XML

```
1 {
2   "id": 1002,
3   "data": "2019-06-08",
4   "descricao": "Licença Médica",
5   "situacao": 1,
6   "matricula": "210524"
7 }
```

SoapUI log http log jetty log error log wsrn log memory log



Atividade 8: Incluir solicitações

The screenshot shows the SoapUI 5.8.0 interface. The left sidebar displays a project tree with the following structure:

- ProjetoSOAP
 - SISRH
 - SISRH-REST
 - SISRH Servicos REST
 - /empregado [/sish/rest/emp]
 - /empregado/[matricula] [/sish]
 - /sistema/datahora [/sish/rest/]
 - /sistema/ping [/sish/rest/siste]
 - /solicitacao [/sish/rest/solita]
 - listarSolicitacoes
 - Request 1
 - incluirSolicitacao
 - Request 1
 - /solicitacao/{id} [/sish/rest/so]

The main workspace shows a REST client configuration for 'Request 1':

- Method: POST
- Endpoint: http://localhost:8080
- Resource: /sish/rest/solicitacao
- Parameters: (empty)

The 'Raw' tab shows the request body in JSON:

```
{
  "id": 1052,
  "data": "2024-01-01",
  "descricao": "Licença de Teste",
  "situacao": 1,
  "matricula": "123123"
}
```

The 'Inspector' tab on the right shows the response in JSON:

```
{
  "id": 1052,
  "data": "2024-12-31",
  "descricao": "Licença de Teste",
  "situacao": 1,
  "matricula": "123123"
}
```

At the bottom, there are log tabs: SoapUI log, http log, jetty log, error log, wsrm log, and memory log.

Atividade 9: Alterar solicitações

The screenshot shows the SoapUI 5.8.0 interface. The left sidebar displays a project tree with the following structure:

- ProjetoSOAP
 - SISRH
 - SISRH-REST
 - SISRH Servicos REST
 - /empregado [/sish/rest/emp]
 - /empregado/[matricula] [/sish]
 - /sistema/datahora [/sish/rest/]
 - /sistema/ping [/sish/rest/siste]
 - /solicitacao [/sish/rest/solita]
 - listarSolicitacoes
 - Request 1
 - obterSolicitacao
 - alterarSolicitacao
 - Request 1
 - /solicitacao/{id} [/sish/rest/so]

The main workspace shows a REST client configuration for 'Request 1':

- Method: PUT
- Endpoint: http://localhost:8080
- Resource: /sish/rest/solicitacao/{id}
- Parameters: (empty)

The 'Raw' tab shows the request body in JSON:

```
{
  "data": "2024-12-31",
  "descricao": "Licença de Teste Férias",
  "situacao": 2,
  "matricula": "123123"
}
```

The 'Inspector' tab on the right shows the response in JSON:

```
{
  "id": 1052,
  "data": "2024-12-30",
  "descricao": "Licença de Teste Férias",
  "situacao": 2,
  "matricula": "123123"
}
```

At the bottom, there are log tabs: SoapUI log, http log, jetty log, error log, wsrm log, and memory log.



Atividade 10: Excluir solicitações

SoapUI 5.8.0

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Projects

- ProjetoSOAP
- SISRH
- SISRH-REST
 - SISRH Servicos REST
 - /empregado (/sish/rest/empregado)
 - /empregado (/sish/rest/empregado)
 - /sistema/datahora (/sish/rest/sistema/datahora)
 - /sistema/ping (/sish/rest/sistema/ping)
 - /solicitacao (/sish/rest/solicitacao)
 - /solicitacao (/sish/rest/solicitacao)
 - obterSolicitacao
 - alterarSolicitacao
 - ExcluirSolicitacao

Request 1

Method: DELETE Endpoint: http://localhost:8080 Resource: /sish/rest/solicitacao/{id} Parameters:

Name	Value	Style	Level
id	1052	TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Media Type: application/json ☐ Post QueryString

Raw Request:

```
DELETE http://localhost:8080/sish/rest/solicitacao/1052
```

Raw Response:

```
{ "mensagem": "Solicitação 1052 excluída com sucesso!" }
```

Response: response time: 50ms (60 bytes)

Request Properties: Name: Request 1, Description, Encoding

Properties

SoapUI log http log jetty log error log wsrm log memory log



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