



Sistemas Web Seguros

Atividade Somativa 2



ATIVIDADE SOMATIVA

ATIVIDADE SOMATIVA 2: Cliente SISFIN e integração de serviços

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Atividade 2: Novos serviços no SISRH – Empregado

Construa dois serviços para o recurso empregado:

1. Um serviço para listar apenas empregados ativos, ou seja, cuja data de desligamento seja nula.

The screenshot displays the SoapUI 5.8.0 interface. The main window shows a REST client configuration for a GET request to the endpoint `http://localhost:8080/sisrh/rest/empregado/ativos`. The response is displayed in the right pane as a JSON array of employee objects. The response time is 104ms (21682 bytes).

Request Configuration:

Name	Value	Style	Level
Method	GET		
Endpoint	http://localhost:8080		
Resource	/sisrh/rest/empregado/ativos		

Response (JSON):

```
[
  {
    "matricula": "210501",
    "nome": "Luigi Campos",
    "admissao": "2016-08-27",
    "desligamento": null,
    "salario": 1876
  },
  {
    "matricula": "210502",
    "nome": "Marcela Ferreira",
    "admissao": "2000-05-05",
    "desligamento": null,
    "salario": 1762
  },
  {
    "matricula": "210503",
    "nome": "Joana Nascimento",
    "admissao": "2015-09-04",
    "desligamento": null,
    "salario": 1868
  },
  {
    "matricula": "210504",
    "nome": "Nicole Martins",
    "admissao": "2017-08-20",
    "desligamento": null,
    "salario": 1876
  }
]
```



2. Um serviço para listar apenas empregados inativos, ou seja, quando o empregado possui uma data de desligamento.

SoapUI 5.8.0

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Navigator

- Projects
 - ProjetoSOAP
 - REST Project 1
 - http://localhost:8080
 - Ativos [/sisrh/rest/empregado] (REST)
 - Request 1
 - Inativos [/sisrh/rest/empregado] (REST)
 - Request 1

Request 1

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

Name	Value	Style	Level
------	-------	-------	-------

Required: ☐ Sets if parameter is required
Type:
Options:

response time: 778ms (349 bytes)

Inspector

Raw JSON

```
1 {
2   {
3     "matricula": "210590",
4     "nome": "Luiza Rodrigues",
5     "admissao": "2009-06-15",
6     "desligamento": "2019-01-18",
7     "salario": 1962
8   },
9   {
10    "matricula": "210628",
11    "nome": "Bernardo Castro",
12    "admissao": "2006-11-25",
13    "desligamento": "2016-11-25",
14    "salario": 1891
15  },
16  {
17    "matricula": "210700",
18    "nome": "Gustavo Melo",
19    "admissao": "2009-05-25",
20    "desligamento": "2019-05-25",
21    "salario": 2171
22  }
23 }
```

Header... Attachmen... SSL I... Representatio... Schema (con... JMS...

Properties

Request Properties Request Params

Property	Value
Name	Request 1
Description	
Encoding	

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



Atividade 3: Serviços para manutenção de usuários

Construa uma API que permita a manutenção dos usuários por meio dos seguintes serviços REST:

1. Listar usuários.

The screenshot shows the SoapUI 5.8.0 interface. The main window displays the 'Listar' endpoint configuration. The endpoint is set to 'http://localhost:8080/sisrh/rest/usuario' with a GET method. The response is a JSON array of user objects. The response time is 894ms (22273 bytes).

Endpoint Configuration:

Method	Endpoint	Resource	Parameters
GET	http://localhost:8080	/sisrh/rest/usuario	

Response (JSON):

```
[
  {
    "nome": "admin",
    "perfil": 2,
    "matricula": null,
    "senha": "e10adc3949ba59abbe56e057f20f883e"
  },
  {
    "nome": "alanapereira@pucpr.br",
    "perfil": 0,
    "matricula": "210627",
    "senha": "e10adc3949ba59abbe56e057f20f883e"
  },
  {
    "nome": "alicedalves@pucpr.br",
    "perfil": 0,
    "matricula": "210677",
    "senha": "e10adc3949ba59abbe56e057f20f883e"
  },
  {
    "nome": "alicedaconceicao@pucpr.br",
    "perfil": 0,
    "matricula": "210664",
    "senha": "e10adc3949ba59abbe56e057f20f883e"
  },
  {
    "nome": "alicedacruz@pucpr.br",
    "perfil": 0,
    "matricula": "210664",
    "senha": "e10adc3949ba59abbe56e057f20f883e"
  }
]
```

Method Properties:

Property	Value
Name	ListarUsuarios
Description	
HTTP Method	GET

Log Files: SoapUI log, http log, jetty log, error log, wsm log, memory log



2. Obter um usuário a partir de uma matrícula.

SoapUI 5.8.0

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Navigator

- objects
 - ProjetoSOAP
 - REST Project 1
 - http://localhost:8080
 - Ativos [/sisrh/rest/empregado]
 - Inativos [/sisrh/rest/empregado]
 - Usuario [/sisrh/rest/usuario/(matricula)]
 - ListarUsuarios
 - ObterUsuarioPorMatricula
 - Request 1
 - SISRH
 - SISRH-REST

Request 1

Method: GET Endpoint: http://localhost:8080 Resource: /sisrh/rest/usuario/(matricula) Parameters:

Name	Value	Style	Level
matricula	210527	TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required
Type:
Options:

response time: 79ms (107 bytes)

Inspector

Raw JSON XML HTML

```
1 {  
2   "nome": "alanapereira@pucpr.br",  
3   "perfil": 0,  
4   "matricula": "210527",  
5   "senha": "e10adc3949ba59abbe56e057f20f883e"  
6 }
```

Request Properties Request Params

Property	Value
Name	Request 1
Description	
Encoding	

Properties

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



3. Incluir um usuário.

SoapUI 5.8.0

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Navigator

- objects
 - ProjetoSOAP
 - REST Project 1
 - http://localhost:8080
 - Ativos [/sisrh/rest/empregado]
 - Inativos [/sisrh/rest/empregado]
 - Usuario [/sisrh/rest/usuario/]
 - ListarUsuarios
 - ObterUsuarioPorMatricula
 - IncluirUsuario**

Request 1

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

Name	Value	Style	Level
matricula		TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Type:

Media Type: application/json ☐ Post QueryString

```
{
  "nome": "teste@pucpr.br",
  "perfil": 1,
  "matricula": "123456",
  "senha": "senha123"
}
```

response time: 558ms (100 bytes)

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

Inspector

Raw JSON XML

```
1 {
2   "nome": "teste@pucpr.br",
3   "perfil": 1,
4   "matricula": "123456",
5   "senha": "e7d80ffeeafa212b7c5c55700e4f7193e"
6 }
```

Heade... Attachme... SSL... Representati... Schema (co... JM...

1:1



4. Alterar um usuário a partir da sua matrícula.

SoapUI 5.8.0

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Navigator

- objects
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 - REST Project 1
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 - Ativos [/sisrh/rest/empregado]
 - Inativos [/sisrh/rest/empregado]
 - Usuario [/sisrh/rest/usuario/{n}]
 - ListarUsuarios
 - ObterUsuarioPorMatricula
 - IncluirUsuario
 - AlterarUsuario**
- SISRH
- SISRH-REST

Request 1

Method: PUT Endpoint: http://localhost:8080 Resource: /sisrh/rest/usuario/{matricula} Parameters:

Name	Value	Style	Level
matricula	123456	TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Type:

Media Type: application/json ☐ Post QueryString

```
{
  "nome": "teste@pucpr.br",
  "perfil": 1,
  "matricula": "123456",
  "senha": "novaSenha456"
}
```

response time: 63ms (100 bytes)

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



5. Excluir um usuário.

SoapUI 5.8.0

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Navigator

- objects
 - ProjetoSOAP
 - REST Project 1
 - http://localhost:8080
 - Ativos [/sisrh/rest/empregado]
 - Inativos [/sisrh/rest/empregado]
 - Usuario [/sisrh/rest/usuario/(matricula)]
 - ListarUsuarios
 - ObterUsuarioPorMatricula
 - IncluirUsuario
 - AlterarUsuario
 - Request 1
 - ExcluirUsuario
 - SISRH
 - SISRH-REST

Request 1

Method: DELETE Endpoint: http://localhost:8080 Resource: /sisrh/rest/usuario/(matricula) Parameters:

Name	Value	Style	Level
matricula	123456	TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Media Type: application/json ☐ Post Que

Raw | HTML | JSON | XML

```
1 {"mensagem": "Usuário 123456 excluído com sucesso!"}
```

response time: 53ms (57 bytes)

1:1

Request Properties Request Params

Property	Value
Name	Request 1
Description	
Encoding	

Properties

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



6. Criar um cenário de uso completo:

a. Criar um empregado.

The screenshot displays the SoapUI 5.8.0 interface. On the left, the 'Navigator' pane shows a project structure with a REST client named 'Request 1' under the endpoint 'http://localhost:8080'. The main workspace is titled 'Request 1' and shows a POST request configuration. The 'Endpoint' is 'http://localhost:8080' and the 'Resource' is '/sisrh/rest/empregado'. The 'Media Type' is set to 'application/json'. The request body is a JSON object:

```
{  "matricula": "999999",  "nome": "Vanessa Teste",  "admissao": "2025-04-27",  "desligamento": null,  "salario": 3000.00}
```

. The 'Inspector' pane on the right shows the raw JSON response. At the bottom, the status bar indicates 'response time: 167ms (106 bytes)'.



b. Criar um usuário vinculado ao empregado recém-criado.

SoapUI 5.8.0

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Navigator

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 - Inativos [/sisrh/rest/empregado]
 - Usuario [/sisrh/rest/usuario/(matricula)]
 - ListarUsuarios
 - ObterUsuarioPorMatricula
 - IncluirUsuario
 - Request 1
 - AlterarUsuario
 - ExcluirUsuario
 - Empregado [/sisrh/rest/empregado]
 - Criar

Request 1

Method: POST Endpoint: http://localhost:8080 Resource: /sisrh/rest/usuario/(matricula) Parameters:

Name	Value	Style	Level
matricula		TEMPLATE	RESOURCE

Required: ☐ Sets if parameter is required

Media Type: application/json ☐ Post QueryString

```
{
  "nome": "vanessa.teste@pucpr.br",
  "perfil": 1,
  "matricula": "999999",
  "senha": "senha123"
}
```

response time: 37ms (108 bytes)

Request Properties Request Params

Property	Value
Name	Request 1
Description	
Encoding	

Properties

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





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