

**Desenvolvendo cadastro, consulta,  
edição e exclusão de contas:**

Primeiro, precisamos desenvolver a classe  
de repositório de conta no banco de dados:



CREATE



READ



UPDATE



DELETE

**C****R****U****D**

/repositories/**ContaRepository.java**

```
package br.com.cotiinformatica.repositories;

import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.List;

import javax.sql.DataSource;

import org.springframework.jdbc.core.JdbcTemplate;
import org.springframework.jdbc.core.RowMapper;

import br.com.cotiinformatica.entities.Conta;
import br.com.cotiinformatica.enums.TipoConta;

public class ContaRepository {

    // atributo
    private JdbcTemplate jdbcTemplate;
```

```
// construtor
public ContaRepository(DataSource dataSource) {
    jdbcTemplate = new JdbcTemplate(dataSource);
}

public void create(Conta conta) throws Exception {

    String query = "insert into conta(nome, valor, data, tipo,
        observacoes, idusuario) values(?,?,?,?,?,?)";

    Object[] params = {
        conta.getNome(),
        conta.getValor(),
        java.sql.Date.valueOf(new SimpleDateFormat
            ("yyyy-MM-dd").format(conta.getData())),
        conta.getTipo() == TipoConta.RECEBER
            ? 1 : conta.getTipo() == TipoConta.PAGAR ? 2 : 0,
        conta.getObservacoes(),
        conta.getUsuario().getIdUsuario()
    };

    jdbcTemplate.update(query, params);
}

public void update(Conta conta) throws Exception {

    String query = "update conta set nome=?, valor=?,
        data=?, tipo=?, observacoes=? where idconta=?";

    Object[] params = {
        conta.getNome(),
        conta.getValor(),
        java.sql.Date.valueOf(new SimpleDateFormat
            ("yyyy-MM-dd").format(conta.getData())),
        conta.getTipo() == TipoConta.RECEBER
            ? 1 : conta.getTipo() == TipoConta.PAGAR ? 2 : 0,
        conta.getObservacoes(),
        conta.getIdConta()
    };

    jdbcTemplate.update(query, params);
}
```

```
public void delete(Conta conta) throws Exception {

    String query = "delete from conta where idconta=?";

    Object[] params = {
        conta.getIdConta()
    };

    jdbcTemplate.update(query, params);
}

public List<Conta> findByUsuarioAndData(Integer idUsuario,
    Date dataIni, Date dataFim) throws Exception {

    String query = "select * from conta where idusuario=?
        and data between ? and ? order by data";

    Object[] params = {
        idUsuario,
        java.sql.Date.valueOf(new SimpleDateFormat(
            "yyyy-MM-dd").format(dataIni)),
        java.sql.Date.valueOf(new SimpleDateFormat(
            "yyyy-MM-dd").format(dataFim))
    };

    List<Conta> lista = jdbcTemplate.query(
        query, params, new RowMapper<Conta>() {

        @Override
        public Conta mapRow(ResultSet rs, int rowNum)
            throws SQLException {

            Conta conta = new Conta();

            try {
                conta.setIdConta(rs.getInt("idconta"));
                conta.setNome(rs.getString("nome"));
                conta.setValor(rs.getDouble("valor"));
                conta.setData(new SimpleDateFormat()
                    .parse(rs.getString("data")));
                conta.setTipo(rs.getInt("tipo") == 1 ?
                    TipoConta.RECEBER
                    : rs.getInt("tipo") == 2
                    ? TipoConta.PAGAR : null);
            }
        }
    });
}
```

```
        conta.setObservacoes
            (rs.getString("observacoes"));
    }
    catch(Exception e) {
        e.printStackTrace();
    }

    return conta;
}

});

return lista;
}

public Conta findById(Integer idConta, Integer idUsuario)
    throws Exception {

    String query = "select * from conta where idconta=?
        and idusuario=?";

    Object[] params = {
        idConta, idUsuario
    };

    List<Conta> lista = jdbcTemplate.query
        (query, params, new RowMapper<Conta>() {

        @Override
        public Conta mapRow(ResultSet rs, int rowNum)
            throws SQLException {

            Conta conta = new Conta();

            try {
                conta.setIdConta(rs.getInt("idconta"));
                conta.setNome(rs.getString("nome"));
                conta.setValor(rs.getDouble("valor"));
                conta.setData(new SimpleDateFormat()
                    .parse(rs.getString("data")));
                conta.setTipo(rs.getInt("tipo") == 1
                    ? TipoConta.RECEBER
                    : rs.getInt("tipo") == 2
                    ? TipoConta.PAGAR : null);
            }
        }
    });
}
```

```

        conta.setObservacoes
            (rs.getString("observacoes"));
    }
    catch(Exception e) {
        e.printStackTrace();
    }

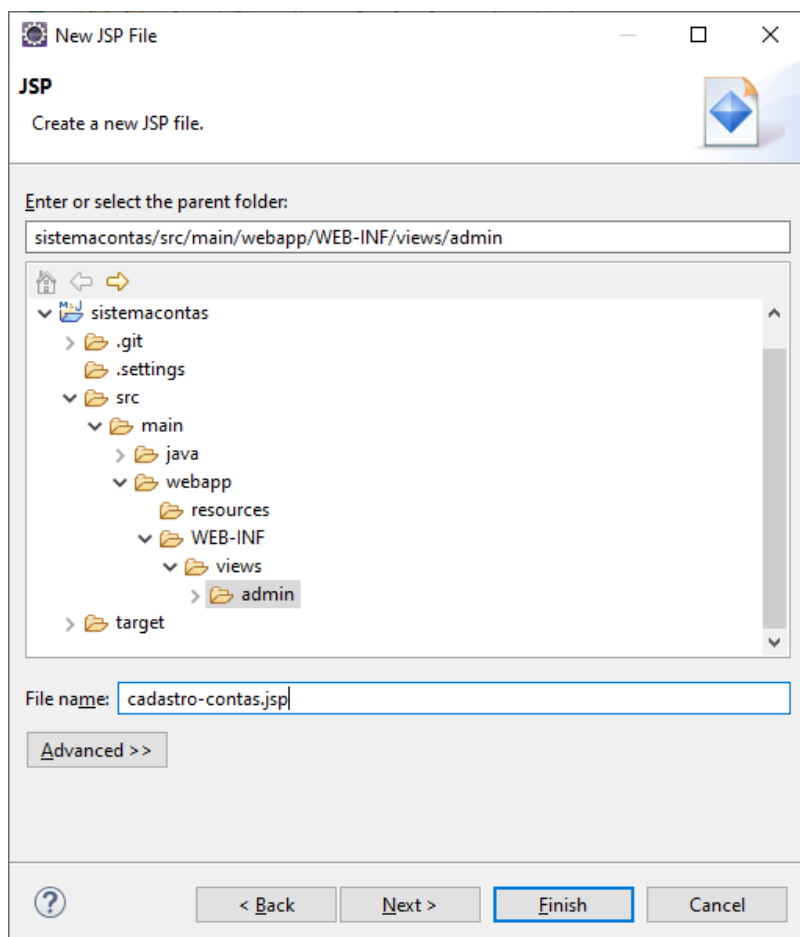
    return conta;
}
});

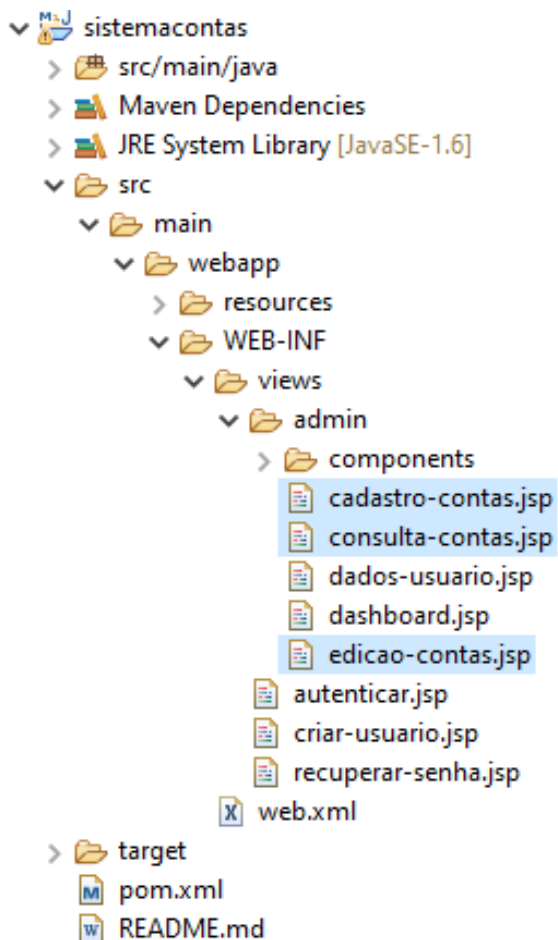
if(lista.size() == 1)
    return lista.get(0);
else
    return null;
}
}

```

## Criando as páginas de cadastro, consulta e edição de contas:

### JSP – JAVA SERVER PAGES





Para cada página JSP, vamos criar uma classe de controle capaz de mapear a navegação de cada página do sistema:

```
package br.com.cotiinformatica.controller;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.servlet.ModelAndView;

@Controller
public class CadastroContasController {

    @RequestMapping(value = "/admin/cadastro-contas")
    public ModelAndView cadastroContas() {

        //WEB-INF/views/admin/cadastro-contas.jsp
        ModelAndView modelAndView
            = new ModelAndView("admin/cadastro-contas");
        return modelAndView;
    }
}
```

```
package br.com.cotiinformatica.controller;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.servlet.ModelAndView;

@Controller
public class ConsultaContasController {

    @RequestMapping(value = "/admin/consulta-contas")
    public ModelAndView consultaContas() {

        //WEB-INF/views/admin/consulta-contas.jsp
        ModelAndView modelAndView
            = new ModelAndView("admin/consulta-contas");
        return modelAndView;
    }
}
```

```
package br.com.cotiinformatica.controller;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.servlet.ModelAndView;

@Controller
public class EdicaoContasController {

    @RequestMapping(value = "/admin/edicao-contas")
    public ModelAndView edicaoContas() {

        //WEB-INF/views/admin/edicao-contas.jsp
        ModelAndView modelAndView
            = new ModelAndView("admin/edicao-contas");
        return modelAndView;
    }
}
```

---

Desenhando a página de cadastro de contas:

/WEB-INF/views/admin/**cadastro-contas.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<!DOCTYPE html>
<html>
<head>

    <meta charset="ISO-8859-1">
    <title>Insert title here</title>
```

```
<!-- CDN da folha de estilos CSS do bootstrap -->
<link href="https://cdn.jsdelivr.net/npm/bootstrap
    @5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" />

<style>
    label.error { color: #df4759; }
    input.error, textarea.error { border: 2px solid #df4759; }
</style>

</head>
<body>

    <!-- menu superior da aplicação -->
    <jsp:include page="/WEB-INF/views/admin/components/navbar.jsp">
    </jsp:include>

    <div class="container mt-3">

        <div class="card">
            <div class="card-body">

                <h5>Cadastro de Contas</h5>
                <p>Preencha os campos para incluir uma conta.</p>
                <hr/>

                <form id="form_cadastro">

                    <div class="row mb-2">
                        <div class="col-md-6">
                            <label>Nome da conta:</label>
                            <input type="text" name="nome"
                                id="nome" class="form-control"/>
                        </div>
                        <div class="col-md-3">
                            <label>Valor da conta:</label>
                            <input type="text" name="valor"
                                id="valor" class="form-control"/>
                        </div>
                        <div class="col-md-3">
                            <label>Data da conta:</label>
                            <input type="date" name="data"
                                id="data" class="form-control"/>
                        </div>
                    </div>

                    <div class="row mb-2">
                        <div class="col-md-3">
                            <label>Selecione o tipo da
                                conta:</label>
                            <div>
```



```

        <input type="radio"
            name="tipo" value="1"
            checked="checked"/> Conta
            a receber
    </div>
    <div>
        <input type="radio"
            name="tipo" value="2"/>
        Conta a pagar
    </div>
</div>
<div class="col-md-9">
    <label>Observações da
        conta:</label>
    <textarea name="observacoes"
        id="observacoes" class="form-
        control"></textarea>
</div>
</div>

<div class="row mb-2">
    <div class="col-md-12">
        <input type="submit" class="btn
        btn-success" value="Realizar
        Cadastro"/>
    </div>
</div>

</form>

</div>
</div>

</div>

<!-- CDN do arquivo javascript do bootstrap -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap
    @5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>

<!-- CDN do arquivo javascript do JQuery -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js"></script>

<!-- CDN dos arquivos da biblioteca JQuery Validation -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-
    validate/1.19.5/jquery.validate.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-
    validate/1.19.5/additional-methods.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-
    validate/1.19.5/localization/messages_pt_BR.min.js"></script>

```

```
<script>
    $(document).ready(function() {

        $("#form_cadastro").validate({
            rules: {
                'nome' : { required: true, minlength : 6,
                           maxlength: 150 },
                'valor' : { required: true },
                'data' : { required: true },
                'tipo' : { required: true },
                'observacoes' : { required: true,
                                   minlength : 6, maxlength: 500 },
            }
        });

    })
</script>

</body>
</html>
```

Criando a classe de modelo para capturar os campos da página de cadastro de contas:

/models/**CadastroContasModel.java**

```
package br.com.cotiinformatica.models;

import lombok.AllArgsConstructor;
import lombok.Getter;
import lombok.NoArgsConstructor;
import lombok.Setter;
import lombok.ToString;

@Setter
@Getter
@NoArgsConstructor
@AllArgsConstructor
@ToString
public class CadastroContasModel {

    private String nome;
    private String valor;
    private String data;
    private String tipo;
    private String observacoes;

}
```

### Utilizando a classe model para fazer a captura do formulário:

```
package br.com.cotiinformatica.controller;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.servlet.ModelAndView;

import br.com.cotiinformatica.models.CadastroContasModel;

@Controller
public class CadastroContasController {

    @RequestMapping(value = "/admin/cadastro-contas")
    public ModelAndView cadastroContas() {

        //WEB-INF/views/admin/cadastro-contas.jsp
        ModelAndView modelAndView = new ModelAndView(
            "admin/cadastro-contas");

        modelAndView.addObject(
            ("model", new CadastroContasModel());

        return modelAndView;
    }
}
```

Utilizando o objeto **model** para fazermos a captura do formulário:  
**/WEB-INF/views/admin/cadastro-contas.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%@ taglib uri="http://www.springframework.org/tags/form" prefix="form" %>

<!DOCTYPE html>
<html>
<head>

    <meta charset="ISO-8859-1">
    <title>Insert title here</title>

    <!-- CDN da folha de estilos CSS do bootstrap -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap
        @5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" />

    <style>
        label.error { color: #df4759; }
        input.error, textarea.error { border: 2px solid #df4759; }
    </style>

</head>
<body>

    <!-- menu superior da aplicação -->
    <jsp:include page="/WEB-INF/views/admin/components/navbar.jsp"></jsp:include>
```

```
<div class="container mt-3">

    <div class="card">
        <div class="card-body">

            <h5>Cadastro de Contas</h5>
            <p>Preencha os campos para incluir uma conta.</p>
            <hr/>

            <div class="mb-2">
                <strong>${mensagem}</strong>
            </div>

            <form id="form_cadastro"
                action="cadastrar-conta" method="post">

                <div class="row mb-2">
                    <div class="col-md-6">
                        <label>Nome da conta:</label>
                        <form:input path="model.nome"
                            type="text" name="nome" id="nome"
                            class="form-control"/>
                    </div>
                    <div class="col-md-3">
                        <label>Valor da conta:</label>
                        <form:input path="model.valor"
                            type="text" name="valor" id="valor"
                            class="form-control"/>
                    </div>
                    <div class="col-md-3">
                        <label>Data da conta:</label>
                        <form:input path="model.data"
                            type="date" name="data" id="data"
                            class="form-control"/>
                    </div>
                </div>

                <div class="row mb-2">
                    <div class="col-md-3">
                        <label>Selecione o tipo da
                            conta:</label>
                        <div>
                            <form:input
                                path="model.tipo"
                                type="radio" name="tipo"
                                value="1"
                                checked="checked"/> Conta a
                                receber
                        </div>
                        <div>
                            <form:input
                                path="model.tipo"
                                type="radio" name="tipo"
                                value="2"/> Conta a pagar
                        </div>
                    </div>
                    <div class="col-md-9">
                        <label>Observações da
                            conta:</label>
                        <form:textarea
                            path="model.observacoes"
                            name="observacoes"
                            id="observacoes">
                    </div>
                </div>
            </form>
        </div>
    </div>
</div>
```

```
class="form-control"></form:textarea>

</div>
</div>

<div class="row mb-2">
  <div class="col-md-12">
    <input type="submit" class="btn btn-success"
      value="Realizar Cadastro"/>
  </div>
</div>

</form>

</div>
</div>

</div>

<!-- CDN do arquivo javascript do bootstrap -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap
@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>

<!-- CDN do arquivo javascript do JQuery -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js"></script>

<!-- CDN dos arquivos da biblioteca JQuery Validation -->
<script src="https://cdnjs.cloudflare.com/ajax/libs
/jquery-validate/1.19.5/jquery.validate.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs
/jquery-validate/1.19.5/additional-methods.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs
/jquery-validate/1.19.5/localization/messages_pt_BR.min.js"></script>

<script>
$(document).ready(function() {

  $("#form_cadastro").validate({
    rules: {
      'nome' : { required: true, minlength : 6,
                  maxlength: 150 },
      'valor' : { required: true },
      'data' : { required: true },
      'tipo' : { required: true },
      'observacoes' : { required: true, minlength : 6,
                        maxlength: 500 },
    }
  });

})
</script>

</body>
</html>
```

**Voltando no controlador para criar o método POST que irá receber o SUBMIT do formulário:**

```
package br.com.cotiinformatica.controller;

import java.text.SimpleDateFormat;

import javax.servlet.http.HttpServletRequest;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;
import org.springframework.web.servlet.ModelAndView;

import br.com.cotiinformatica.dtos.UsuarioDTO;
import br.com.cotiinformatica.entities.Conta;
import br.com.cotiinformatica.entities.Usuario;
import br.com.cotiinformatica.enums.TipoConta;
import br.com.cotiinformatica.models.CadastroContasModel;
import br.com.cotiinformatica.repositories.ContaRepository;

@Controller
public class CadastroContasController {

    @Autowired
    private ContaRepository contaRepository;

    @RequestMapping(value = "/admin/cadastro-contas")
    public ModelAndView cadastroContas() {

        // WEB-INF/views/admin/cadastro-contas.jsp
        ModelAndView modelAndView
            = new ModelAndView("admin/cadastro-contas");

        modelAndView.addObject
            ("model", new CadastroContasModel());

        return modelAndView;
    }

    @RequestMapping(value = "/admin/cadastrar-conta",
        method = RequestMethod.POST)
    public ModelAndView cadastrarConta(CadastroContasModel model,
        HttpServletRequest request) {
```

```
ModelAndView modelAndView
    = new ModelAndView("admin/cadastro-contas");

try {

    //capturando o usuário autenticado na sessão
    UsuarioDTO usuarioDTO = (UsuarioDTO)
        request.getSession().getAttribute("usuario");

    Conta conta = new Conta();
    conta.setUsuario(new Usuario());

    conta.setNome(model.getNome());

    conta.setValor(Double.parseDouble
        (model.getValor()));

    conta.setData(new SimpleDateFormat
        ("yyyy-MM-dd").parse(model.getData()));

    conta.setTipo(model.getTipo().equals("1")
        ? TipoConta.RECEBER
        : model.getTipo().equals("2")
        ? TipoConta.PAGAR : null);

    conta.setObservacoes(model.getObservacoes());

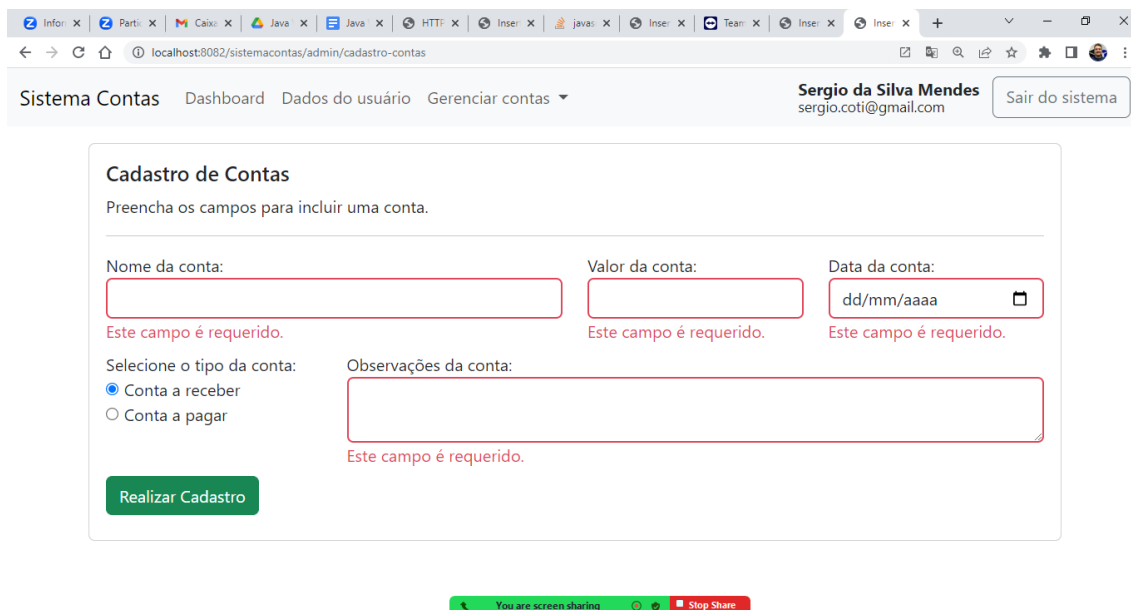
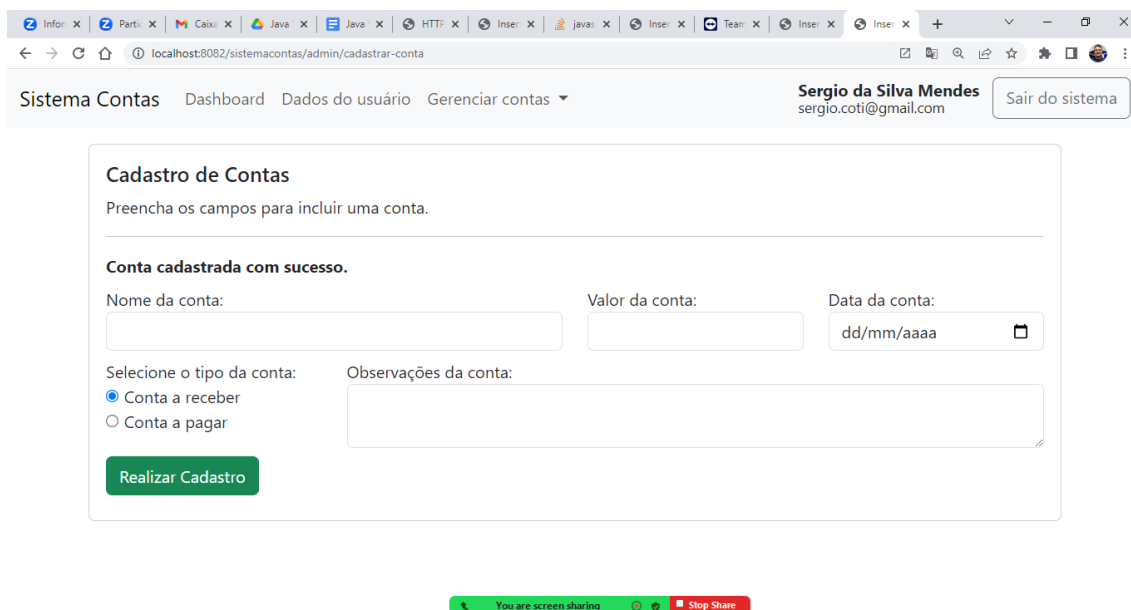
    conta.getUsuario().setIdUsuario
        (usuarioDTO.getIdUsuario());

    contaRepository.create(conta);
    model = new CadastroContasModel();

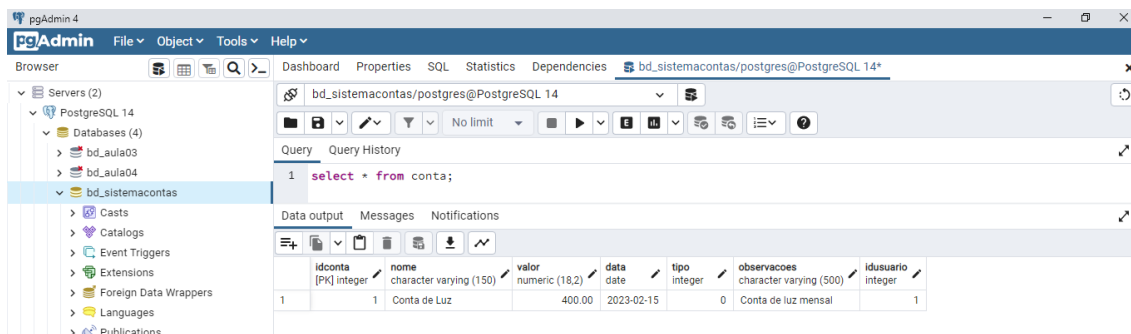
    modelAndView.addObject("mensagem",
        "Conta cadastrada com sucesso.");
}
catch(Exception e) {
    modelAndView.addObject("mensagem",
        "Falha ao cadastrar conta: " + e.getMessage());
}

modelAndView.addObject("model", model);
return modelAndView;
}
```

## Executando e testando o cadastro da conta:

## No PostgreSQL:



idconta	nome	valor	data	tipo	observacoes	idusuario
1	Conta de Luz	400.00	2023-02-15	0	Conta de luz mensal	1



Desenhando a página de consulta de contas:

/WEB-INF/views/admin/**consulta-contas.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%@ taglib uri="http://www.springframework.org/tags/form" prefix="form" %>

<!DOCTYPE html>
<html>
<head>

    <meta charset="ISO-8859-1">
    <title>Insert title here</title>

    <!-- CDN da folha de estilos CSS do bootstrap -->
    <link href="https://cdn.jsdelivr.net/npm/bootstrap
        @5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet" />

    <style>
        label.error { color: #df4759; }
        input.error, textarea.error { border: 2px solid #df4759; }
    </style>

</head>
<body>

    <!-- menu superior da aplicação -->
    <jsp:include page="/WEB-INF/views/admin/components/navbar.jsp">
    </jsp:include>

    <div class="container mt-3">

        <div class="card">
            <div class="card-body">

                <h5>Consultas de Contas</h5>
                <p>Utilize o filtro abaixo para
                    consultar contas.</p>
                <hr/>

                <div class="mb-2">
                    <strong>${mensagem}</strong>
                </div>

                <form id="form_consulta">

                    <div class="row mb-2">
                        <div class="col-md-3">
                            <input type="date" id="dataIni"
                                name="dataIni"
                                class="form-control"/>
                        </div>
                        <div class="col-md-3">
                            <input type="date" id="dataFim"
                                name="dataFim"
                                class="form-control"/>
                        </div>
                    </div>
                </form>
            </div>
        </div>
    </div>
```

```

        </div>
        <div class="col-md-6">
            <input type="submit" class="btn btn-success" value="Pesquisar Contas"/>
        </div>
    </div>
</form>

<div class="table-responsive mt-2">
    <table class="table table-sm table-hover">
        <thead>
            <tr>
                <th>Nome da conta</th>
                <th>Valor</th>
                <th>Data</th>
                <th>Tipo</th>
                <th>Operações</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td></td>
                <td></td>
                <td></td>
                <td></td>
                <td>
                    <a href="/sistemacontas/admin/edicao-contas" class="btn btn-primary btn-sm">
                        Editar
                    </a>
                    <a href="/sistemacontas/admin/exclusao-contas" class="btn btn-danger btn-sm">
                        Excluir
                    </a>
                </td>
            </tr>
        </tbody>
    </table>
</div>
</div>
</div>
</div>

<!-- CDN do arquivo javascript do bootstrap -->
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"></script>

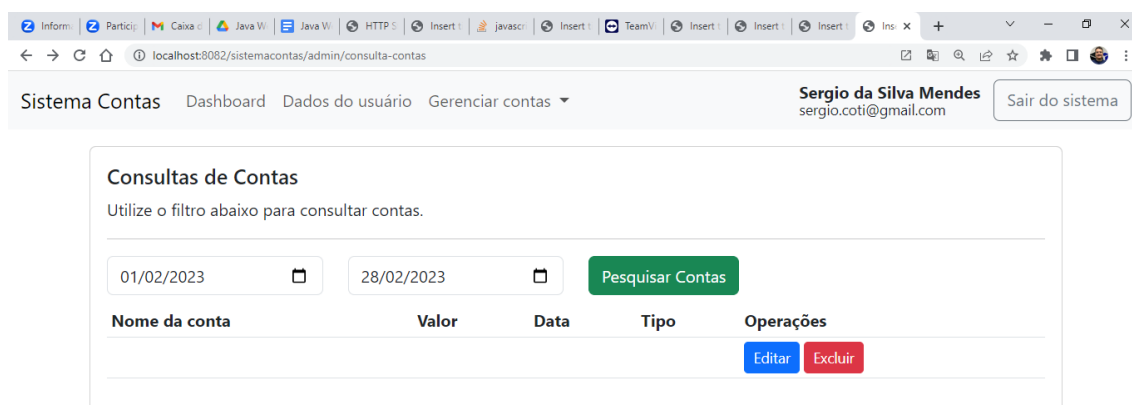
<!-- CDN do arquivo javascript do JQuery -->
<script src="https://code.jquery.com/jquery-3.6.3.min.js"></script>

```

```
<!-- CDN dos arquivos da biblioteca JQuery Validation -->
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-
validate/1.19.5/jquery.validate.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-
validate/1.19.5/additional-methods.min.js"></script>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery-
validate/1.19.5/localization/messages_pt_BR.min.js"></script>

<script>
$(document).ready(function() {
    $("#form_consulta").validate({
        rules: {
            'dataIni' : { required: true },
            'dataFim' : { required: true }
        }
    });
});
</script>

</body>
</html>
```



The screenshot shows a web browser window with the URL `localhost:8082/sistemacontas/admin/consulta-contas`. The page has a header with navigation links: "Sistema Contas", "Dashboard", "Dados do usuário", and "Gerenciar contas". The user is logged in as "Sergio da Silva Mendes" with email "sergio.coti@gmail.com".

The main content area is titled "Consultas de Contas" and includes the instruction "Utilize o filtro abaixo para consultar contas." Below this, there are two date input fields: "01/02/2023" and "28/02/2023", followed by a green "Pesquisar Contas" button.

Below the search form is a table with the following columns: "Nome da conta", "Valor", "Data", "Tipo", and "Operações". The "Operações" column contains two buttons: "Editar" (blue) and "Excluir" (red).

Criando a model para a página de consulta:  
`/models/ConsultaContasModel.java`

```
package br.com.cotiinformatica.models;
```

```
import lombok.AllArgsConstructor;
import lombok.Getter;
import lombok.NoArgsConstructor;
import lombok.Setter;
import lombok.ToString;
```

```
@Setter
@Getter
@NoArgsConstructor
@AllArgsConstructor
@ToString
```

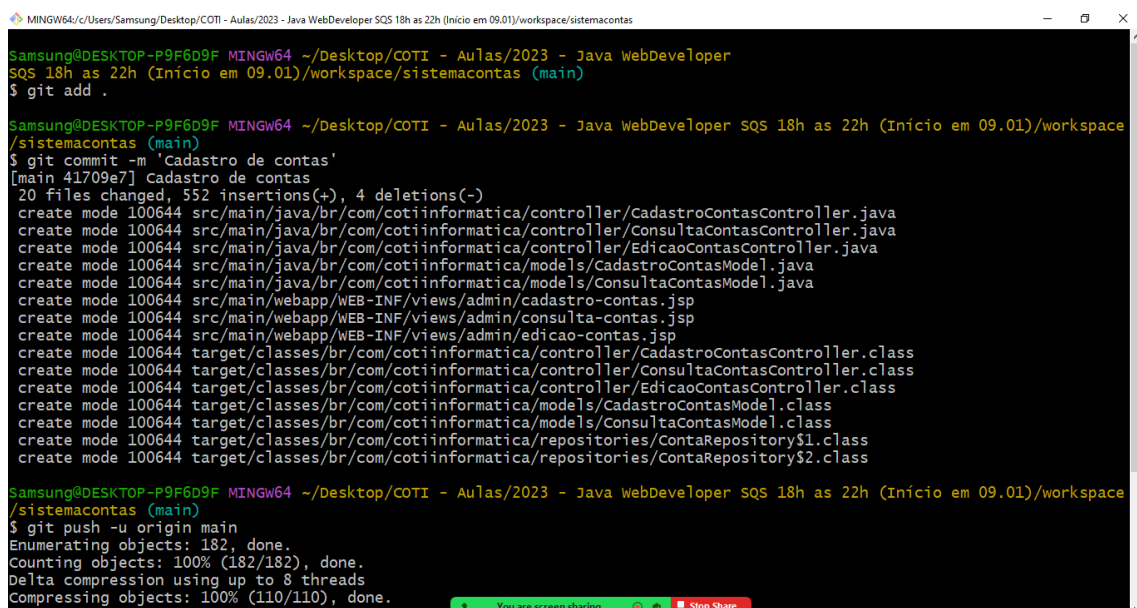
```
public class ConsultaContasModel {  
  
    private String dataIni;  
    private String dataFim;  
  
}
```

### Subindo o trabalho para o GITHUB:

```
Samsung@DESKTOP-P9F6D9F MINGW64 ~/Desktop/COTI - Aulas/2023 - Java  
WebDeveloper SQS 18h as 22h (Início em 09.01)/workspace/sistemacontas  
(main)  
$ git add .
```

```
Samsung@DESKTOP-P9F6D9F MINGW64 ~/Desktop/COTI - Aulas/2023 - Java  
WebDeveloper SQS 18h as 22h (Início em 09.01)/workspace/sistemacontas  
(main)  
$ git commit -m 'Cadastro de contas'
```

```
Samsung@DESKTOP-P9F6D9F MINGW64 ~/Desktop/COTI - Aulas/2023 - Java  
WebDeveloper SQS 18h as 22h (Início em 09.01)/workspace/sistemacontas  
(main)  
$ git push -u origin main
```



```
MINGW64/c:/Users/Samsung/Desktop/COTI - Aulas/2023 - Java WebDeveloper SQS 18h as 22h (Início em 09.01)/workspace/sistemacontas  
  
Samsung@DESKTOP-P9F6D9F MINGW64 ~/Desktop/COTI - Aulas/2023 - Java webDeveloper  
SQS 18h as 22h (Início em 09.01)/workspace/sistemacontas (main)  
$ git add .  
  
Samsung@DESKTOP-P9F6D9F MINGW64 ~/Desktop/COTI - Aulas/2023 - Java webDeveloper SQS 18h as 22h (Início em 09.01)/workspace  
/sistemacontas (main)  
$ git commit -m 'Cadastro de contas'  
[main 41709e7] Cadastro de contas  
20 files changed, 552 insertions(+), 4 deletions(-)  
create mode 100644 src/main/java/br/com/cotiinformatica/controller/CadastroContasController.java  
create mode 100644 src/main/java/br/com/cotiinformatica/controller/ConsultaContasController.java  
create mode 100644 src/main/java/br/com/cotiinformatica/controller/EdicaoContasController.java  
create mode 100644 src/main/java/br/com/cotiinformatica/models/CadastroContasModel.java  
create mode 100644 src/main/java/br/com/cotiinformatica/models/ConsultaContasModel.java  
create mode 100644 src/main/webapp/WEB-INF/views/admin/cadastro-contas.jsp  
create mode 100644 src/main/webapp/WEB-INF/views/admin/consulta-contas.jsp  
create mode 100644 src/main/webapp/WEB-INF/views/admin/edicao-contas.jsp  
create mode 100644 target/classes/br/com/cotiinformatica/controller/CadastroContasController.class  
create mode 100644 target/classes/br/com/cotiinformatica/controller/ConsultaContasController.class  
create mode 100644 target/classes/br/com/cotiinformatica/controller/EdicaoContasController.class  
create mode 100644 target/classes/br/com/cotiinformatica/models/CadastroContasModel.class  
create mode 100644 target/classes/br/com/cotiinformatica/models/ConsultaContasModel.class  
create mode 100644 target/classes/br/com/cotiinformatica/repositories/ContaRepository$1.class  
create mode 100644 target/classes/br/com/cotiinformatica/repositories/ContaRepository$2.class  
  
Samsung@DESKTOP-P9F6D9F MINGW64 ~/Desktop/COTI - Aulas/2023 - Java webDeveloper SQS 18h as 22h (Início em 09.01)/workspace  
/sistemacontas (main)  
$ git push -u origin main  
Enumerating objects: 182, done.  
Counting objects: 100% (182/182), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (110/110), done.
```