

# JogoForca 1.0-SNAPSHOT API

## Packages

Package	Description
<code>com.mycompany.jogoforca</code>	
<code>InterfaceGrafica</code>	

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# Package com.mycompany.jogoforca

package com.mycompany.jogoforca

All Classes and Interfaces	Interfaces	Classes	Exception Classes
Class	Description		
Jogo	Essa classe será utilizada para fazer as operações do Jogo.		
JogoForca	Essa classe será utilizada para a chamar a primeira tela do jogo.		
NivelIndisponivelException	Essa classe será utilizada para lançar uma exceção quando o usuário já tiver zerado o nível selecionado.		
Palavras	Essa classe será utilizada para guardar as palavras que estarão disponíveis no jogo e suas características.		
Partida	Essa classe será utilizada para armazenar os dados da partida atual do usuário.		
Pontos	Essa interface define os métodos para adicionar e remover pontos do usuário.		
PontosAbstrata<T extends Number >	Essa classe implementa a interface Pontos e utiliza generics para representar a quantidade de pontos e tentativas.		
PontosChance	Essa classe vai herdar de Pontos Abstrata e representa os pontos usados para comprar chances.		
PontosDicas	Essa classe vai herdar de Pontos Abstrata e representa os pontos usados para comprar dicas.		
SenhaIncorretaException	Essa classe será utilizada para lançar uma exceção quando a senha digitada pelo usuário não estiver correta.		
Usuario	Essa classe foi criada para armazenar informações sobre o usuário.		

**Package** `com.mycompany.jogoforca`

# Class Jogo

`java.lang.Object`  
`com.mycompany.jogoforca.Jogo`

```
public class Jogo
extends Object
```

Essa classe será utilizada para fazer as operações do Jogo.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

## Constructor Summary

Constructors	
Constructor	Description
<code>Jogo()</code>	

## Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
<code>void</code>	<code>cadaststrarPalavra(String palavra, String dificuldade, String categoria, String dicaUm, String dicaDois)</code>	Essa método irá criar e adicionar as palavras que estarão disponíveis na lista de palavras de jogo.
<code>ArrayList &lt;Palavras&gt;</code>	<code>getPalavras()</code>	Esse método retorna a lista de palavras disponíveis.
<code>Partida</code>	<code>getPartida()</code>	Esse método retorna a partida que será jogada pelo usuário.
<code>Usuario</code>	<code>getUsuario()</code>	Esse método retorna um objeto do tipo Usuário que representa a conta logado no jogo.
<code>void</code>	<code>logarUsuario(Usuario usuario)</code>	Esse método atribui a conta passada como parâmetro para contaLogada.
<code>Palavras</code>	<code>palavraJogo(String dificuldade)</code>	Esse método irá fazer o sorteio de palavras quando o usuário começar uma partida.

boolean	<b>verificaPalavra</b> (int indicePalavra, <b>String</b> dificuldade)	Esse método irá verificar se a palavra sorteada já foi jogada.
void	<b>verificaSenha</b> ( <b>String</b> senhaUser, <b>String</b> senhaDigitada)	Esse método verifica se a senha digitada pelo usuário é igual a senha atribuída por ele a hora do cadastro.

### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

## Constructor Details

### Jogo

```
public Jogo()
```

## Method Details

### cadastrarPalavra

```
public void cadastrarPalavra(String palavra,  
                             String dificuldade,  
                             String categoria,  
                             String dicaUm,  
                             String dicaDois)
```

Essa método irá criar e adicionar as palavras que estarão disponíveis na lista de palavras de jogo.

#### Parameters:

`palavra` - Palavra.

`dificuldade` - Dificuldade de palavra.

`categoria` - Categoria da palavra.

`dicaUm` - Dica um da palavra.

`dicaDois` - Dica dois da palavra.

### palavraJogo

```
public Palavras palavraJogo(String dificuldade)  
    throws NivelIndisponivelException
```

Esse método irá fazer o sorteio de palavras quando o usuário começar uma partida. Nele, uma palavra do nível escolhido pelo usuário será sorteada, e caso todas as palavras daquele nível já tiverem sido sorteadas uma exceção do tipo `NivelIndisponivelException` será lançada.

**Parameters:**

`dificuldade` - Dificuldade escolhida pelo usuário.

**Returns:**

Palavra sorteada.

**Throws:**

`NivelIndisponivelException` - Será lançada quando as palavras do nível escolhido acabarem.

## verificaPalavra

```
public boolean verificaPalavra(int indicePalavra,  
                               String dificuldade)
```

Esse método irá verificar se a palavra sorteada já foi jogada.

**Parameters:**

`indicePalavra` - Índice da palavra sorteada.

`dificuldade` - Dificuldade Dificuldade da palavra sorteada.

**Returns:**

FALSE, se a palavra já tiver sido jogada pelo usuário, ou TRUE se a palavra não tiver sido jogada ainda.

## logarUsuario

```
public void logarUsuario(Usuario usuario)
```

Esse método atribui a conta passada como parâmetro para `contaLogada`.

**Parameters:**

`usuario` - Usuário que será logado.

## verificaSenha

```
public void verificaSenha(String senhaUser,  
                           String senhaDigitada)  
    throws SenhaIncorretaException
```

Esse método verifica se a senha digitada pelo usuário é igual a senha atribuída por ele a hora do cadastro.

**Parameters:**

`senhaUser` - Senha atribuída na hora do cadastro.

`senhaDigitada` - Senha digitada na hora do login.

**Throws:**

**SenhaIncorretaException** - Essa exceção é lançada quando o usuário digitar uma senha que não é correta.

### getUsuario

```
public Usuario getUsuario()
```

Esse método retorna um objeto do tipo Usuário que representa a conta logado no jogo.

**Returns:**

Usuário logado.

### getPartida

```
public Partida getPartida()
```

Esse método retorna a partida que será jogada pelo usuário.

**Returns:**

Um objeto do tipo Partida que representa a partida atual.

### getPalavras

```
public ArrayList <Palavras> getPalavras()
```

Esse método retorna a lista de palavras disponíveis.

**Returns:**

Lista de palavras.

**Package** `com.mycompany.jogoforca`

## Class JogoForca

`java.lang.Object`  
`com.mycompany.jogoforca.JogoForca`

```
public class JogoForca
extends Object
```

Essa classe será utilizada para a chamar a primeira tela do jogo.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

### Constructor Summary

#### Constructors

Constructor	Description
<code>JogoForca()</code>	

### Method Summary

**All Methods**    **Static Methods**    **Concrete Methods**

Modifier and Type	Method	Description
static void	<code>main(<a href="#">String</a> [] args)</code>	

#### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

### Constructor Details

#### JogoForca

```
public JogoForca()
```

### Method Details

**main**

```
public static void main(String [] args)
```



**Package** `com.mycompany.jogoforca`

# Class `NivelIndisponivelException`

`java.lang.Object`  
  `java.lang.Throwable`  
    `java.lang.Exception`  
      `com.mycompany.jogoforca.NivelIndisponivelException`

**All Implemented Interfaces:**

`Serializable`

```
public class NivelIndisponivelException  
extends Exception
```

Essa classe será utilizada para lançar uma exceção quando o usuário já tiver zerado o nível selecionado.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

[Serialized Form](#)

## Constructor Summary

### Constructors

Constructor	Description
<code>NivelIndisponivelException(String message)</code>	

## Method Summary

### Methods inherited from class `java.lang.Throwable`

`addSuppressed` , `fillInStackTrace` , `getCause` , `getLocalizedMessage` , `getMessage` , `getStackTrace` , `getSuppressed` , `initCause` , `printStackTrace` , `printStackTrace` , `printStackTrace` , `setStackTrace` , `toString`

### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `wait` , `wait` , `wait`

## Constructor Details

### `NivelIndisponivelException`

```
public NivelIndisponivelException(String message)
```

**Package** `com.mycompany.jogoforca`

## Class Palavras

`java.lang.Object`  
`com.mycompany.jogoforca.Palavras`

`public class Palavras`  
`extends Object`

Essa classe será utilizada para guardar as palavras que estarão disponíveis no jogo e suas características.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

### Constructor Summary

#### Constructors

Constructor	Description
<code>Palavras()</code>	

### Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
<code>String</code>	<code>getCategoria()</code>	Esse método retorna a qual é a categoria da palavra.
<code>String</code>	<code>getDicaDois()</code>	Esse método retorna a segunda dica da palavra.
<code>String</code>	<code>getDicaUm()</code>	Esse método retorna a primeira dica da palavra.
<code>String</code>	<code>getDificuldade()</code>	Esse método retorna a qual é a dificuldade da palavra.
<code>String</code>	<code>getPalavra()</code>	Esse método retorna a qual é palavra.
<code>int</code>	<code>getTentativa()</code>	Esse método retorna a quantidade de tentativas que o usuário ainda tem para esta palavra.
<code>void</code>	<code>setCategoria(String categoria)</code>	Esse método vai setar a categoria da palavra.
<code>void</code>	<code>setDicaDois(String dicaDois)</code>	Esse método vai setar a segunda dica

		da palavra.
void	<b>setDicaUm</b> (String dicaUm)	Esse método vai setar a primeira dica da palavra.
void	<b>setDificuldade</b> (String dificuldade)	Esse método vai setar a dificuldade da palavra.
void	<b>setPalavra</b> (String palavra)	Esse método vai setar a palavra.
void	<b>setTentativa</b> (int tentativa)	Esse método vai setar a quantidade de tentativas

Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait

Constructor Details

Palavras

```
public Palavras()
```

Method Details

getPalavra

```
public String getPalavra()
```

Esse método retorna a qual é palavra.

**Returns:**  
Palavra.

setPalavra

```
public void setPalavra(String palavra)
```

Esse método vai setar a palavra.

**Parameters:**  
palavra - Palavra.

getDificuldade

```
public String getDificuldade()
```

Esse método retorna a qual é a dificuldade da palavra.

**Returns:**

Dificuldade da palavra.

**setDificuldade**

```
public void setDificuldade(String dificuldade)
```

Esse método vai setar a dificuldade da palavra.

**Parameters:**

dificuldade - Dificuldade da palavra.

**getCategoria**

```
public String getCategoria()
```

Esse método retorna a qual é a categoria da palavra.

**Returns:**

Categoria da palavra.

**setCategoria**

```
public void setCategoria(String categoria)
```

Esse método vai setar a categoria da palavra.

**Parameters:**

categoria - Categoria da palavra.

**getDicaUm**

```
public String getDicaUm()
```

Esse método retorna a primeira dica da palavra.

**Returns:**

Primeira dica da palavra.

**setDicaUm**

```
public void setDicaUm(String dicaUm)
```

Esse método vai setar a primeira dica da palavra.

**Parameters:**

dicaUm - Primeira dica.

**getDicaDois**

```
public String getDicaDois()
```

Esse método retorna a segunda dica da palavra.

**Returns:**

Segunda dica da palavra.

**setDicaDois**

```
public void setDicaDois(String dicaDois)
```

Esse método vai setar a segunda dica da palavra.

**Parameters:**

dicaDois - Segunda dica.

**getTentativa**

```
public int getTentativa()
```

Esse método retorna a quantidade de tentativas que o usuário ainda tem para esta palavra.

**Returns:**

Quantidade de tentativas.

**setTentativa**

```
public void setTentativa(int tentativa)
```

Esse método vai setar a quantidade de tentativas

**Parameters:**

tentativa - Quantidade de tentativas.

**Package** `com.mycompany.jogoforca`

## Class Partida

`java.lang.Object`  
`com.mycompany.jogoforca.Partida`

```
public class Partida  
extends Object
```

Essa classe será utilizada para armazenar os dados da partida atual do usuário.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

### Constructor Summary

**Constructors**

Constructor	Description
<code>Partida()</code>	

### Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
<code>Palavras</code>	<code>getPalavra()</code>	Esse método retorna um objeto do tipo <code>Palavras</code> que está sendo utilizado na partida atual.
<code>void</code>	<code>setPalavra(<code>Palavras</code> palavra)</code>	Esse método seta o objeto <code>Palavras</code> da partida.

#### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

### Constructor Details

<b>Partida</b>
<pre>public Partida()</pre>

## Method Details

### getPalavra

```
public Palavras getPalavra()
```

Esse método retorna um objeto do tipo Palavras que está sendo utilizado na partida atual.

**Returns:**

Objeto do tipo Palavras.

### setPalavra

```
public void setPalavra(Palavras palavra)
```

Esse método seta o objeto Palavras da partida.

**Parameters:**

palavra - Objeto Palavras da partida atual.



**Package** `com.mycompany.jogoforca`

## Interface Pontos

**All Known Implementing Classes:**

`PontosAbstrata`, `PontosChance`, `PontosDicas`

public interface **Pontos**

Essa interface define os métodos para adicionar e remover pontos do usuário.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

### Method Summary

All Methods	Instance Methods	Abstract Methods
Modifier and Type	Method	Description
void	<code>adicionarPontosDifícil(Usuario contaLogada)</code>	
void	<code>adicionarPontosFácil(Usuario contaLogada)</code>	
void	<code>adicionarPontosMedio(Usuario contaLogada)</code>	
void	<code>removerPontos(Usuario contaLogada, Number quantidade)</code>	

### Method Details

<b>adicionarPontosFácil</b>
<code>void adicionarPontosFácil(Usuario contaLogada)</code>
<b>adicionarPontosMedio</b>
<code>void adicionarPontosMedio(Usuario contaLogada)</code>
<b>adicionarPontosDifícil</b>
<code>void adicionarPontosDifícil(Usuario contaLogada)</code>
<b>removerPontos</b>

```
void removerPontos(Usuario contaLogada,  
                  Number quantidade)
```

**Package** `com.mycompany.jogoforca`

## Class PontosAbstrata<T> extends Number >

`java.lang.Object`  
`com.mycompany.jogoforca.PontosAbstrata<T>`

**Type Parameters:**  
T - Tipo genérico que deve herdar de número.

**All Implemented Interfaces:**  
`Pontos`

**Direct Known Subclasses:**  
`PontosChance`, `PontosDicas`

```
public abstract class PontosAbstrata<T> extends Number >
    extends Object
    implements Pontos
```

Essa classe implementa a interface Pontos e utiliza generics para representar a quantidade de pontos e tentativas.

**Author:**  
Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

### Constructor Summary

#### Constructors

Constructor	Description
<code>PontosAbstrata()</code>	

### Method Summary

All Methods	Instance Methods	Abstract Methods	Concrete Methods
Modifier and Type	Method	Description	
abstract void	<code>adicionarPontosDificil (Usuario contaLogada)</code>		
abstract void	<code>adicionarPontosFacil (Usuario contaLogada)</code>		
abstract void	<code>adicionarPontosMedio (Usuario contaLogada)</code>		
T	<code>getQuantidade()</code>		Esse método retorna a quantidade de pontos.

T	<b>getTentativas()</b>	Esse método retorna a quantidade de tentativas.
abstract void	<b>removerPontos</b> ( <b>Usuario</b> contaLogada, <b>Number</b> quantidade)	
void	<b>setQuantidade</b> (T quantidade)	Esse método seta a quantidade de pontos.
void	<b>setTentativas</b> (T tentativa)	Esse método seta a quantidade de tentativas.

Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait

Constructor Details

PontosAbstrata

public PontosAbstrata()

Method Details

adicionarPontosFacil

public abstract void adicionarPontosFacil(Usuario contaLogada)

Specified by:  
adicionarPontosFacil in interface Pontos

adicionarPontosMedio

public abstract void adicionarPontosMedio(Usuario contaLogada)

Specified by:  
adicionarPontosMedio in interface Pontos

adicionarPontosDificil

public abstract void adicionarPontosDificil(Usuario contaLogada)

Specified by:

`adicionarPontosDificil` in interface `Pontos`

### **removerPontos**

```
public abstract void removerPontos(Usuario contaLogada,  
                                   Number quantidade)
```

**Specified by:**

`removerPontos` in interface `Pontos`

### **getQuantidade**

```
public T getQuantidade()
```

Esse método retorna a quantidade de pontos.

**Returns:**

Quantidade de pontos.

### **setQuantidade**

```
public void setQuantidade(T quantidade)
```

Esse método seta a quantidade de pontos.

**Parameters:**

`quantidade` - Quantidade de pontos.

### **getTentativas**

```
public T getTentativas()
```

Esse método retorna a quantidade de tentativas.

**Returns:**

Quantidade de tentativas.

### **setTentativas**

```
public void setTentativas(T tentativa)
```

Esse método seta a quantidade de tentativas.

**Parameters:**

`tentativa` - Quantidade de tentativas



**Package** `com.mycompany.jogoforca`

# Class PontosChance

`java.lang.Object`  
`com.mycompany.jogoforca.PontosAbstrata`  
`com.mycompany.jogoforca.PontosChance`

**All Implemented Interfaces:**

`Pontos`

```
public class PontosChance
extends PontosAbstrata
```

Essa classe vai herdar de Pontos Abstrata e representa os pontos usados para comprar chances.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

## Constructor Summary

### Constructors

Constructor	Description
<code>PontosChance()</code>	

## Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
void	<code>adicionarPontosDificil</code> ( <code>Usuario</code> contaLogada)	Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra difícil.
void	<code>adicionarPontosFacil</code> ( <code>Usuario</code> contaLogada)	Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra fácil.
void	<code>adicionarPontosMedio</code> ( <code>Usuario</code> contaLogada)	Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra médio.
void	<code>removerPontos</code> ( <code>Usuario</code> contaLogada, <code>Number</code> quantidade)	Esse método será utilizado para calcular a quantidade de pontos que

serão removidos do usuário quando ele comprar uma chance.

Methods inherited from class `com.mycompany.jogoforca.PontosAbstrata`

`getQuantidade`, `getTentativas`, `setQuantidade`, `setTentativas`

Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

Constructor Details

PontosChance

`public PontosChance()`

Method Details

adicionarPontosFacil

`public void adicionarPontosFacil(Usuario contaLogada)`

Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra fácil.

Specified by:

`adicionarPontosFacil` in interface `Pontos`

Specified by:

`adicionarPontosFacil` in class `PontosAbstrata`

Parameters:

`contaLogada` - Conta do usuário que está jogando.

adicionarPontosMedio

`public void adicionarPontosMedio(Usuario contaLogada)`

Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra médio.

Specified by:

`adicionarPontosMedio` in interface `Pontos`

Specified by:

`adicionarPontosMedio` in class `PontosAbstrata`



**Parameters:**

contaLogada - Conta do usuário que está jogando.

**adicionarPontosDifícil**

```
public void adicionarPontosDifícil(Usuario contaLogada)
```

Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra difícil.

**Specified by:**

`adicionarPontosDifícil` in interface `Pontos`

**Specified by:**

`adicionarPontosDifícil` in class `PontosAbstrata`

**Parameters:**

contaLogada - Conta do usuário que está jogando.

**removerPontos**

```
public void removerPontos(Usuario contaLogada,  
                           Number quantidade)
```

Esse método será utilizado para calcular a quantidade de pontos que serão removidos do usuário quando ele comprar uma chance.

**Specified by:**

`removerPontos` in interface `Pontos`

**Specified by:**

`removerPontos` in class `PontosAbstrata`

**Parameters:**

contaLogada - Conta do usuário que está jogando.

quantidade - Quantidade de pontos que serão removidos.

**Package** `com.mycompany.jogoforca`

# Class PontosDicas

`java.lang.Object`  
`com.mycompany.jogoforca.PontosAbstrata`  
`com.mycompany.jogoforca.PontosDicas`

**All Implemented Interfaces:**

`Pontos`

```
public class PontosDicas
extends PontosAbstrata
```

Essa classe vai herdar de Pontos Abstrata e representa os pontos usados para comprar dicas.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

## Constructor Summary

### Constructors

Constructor	Description
<code>PontosDicas()</code>	

## Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
void	<code>adicionarPontosDificil</code> ( <code>Usuario</code> contaLogada)	Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra difícil.
void	<code>adicionarPontosFacil</code> ( <code>Usuario</code> contaLogada)	Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra fácil.
void	<code>adicionarPontosMedio</code> ( <code>Usuario</code> contaLogada)	Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra média.
void	<code>removerPontos</code> ( <code>Usuario</code> contaLogada, <code>Number</code> quantidade)	Esse método será utilizado para calcular a quantidade de pontos que

serão removidos do usuário quando ele comprar uma dica.

Methods inherited from class `com.mycompany.jogoforca.PontosAbstrata`

`getQuantidade`, `getTentativas`, `setQuantidade`, `setTentativas`

Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `toString` , `wait` , `wait` , `wait`

Constructor Details

PontosDicas

`public PontosDicas()`

Method Details

adicionarPontosFacil

`public void adicionarPontosFacil(Usuario contaLogada)`

Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra fácil.

Specified by:

`adicionarPontosFacil` in interface `Pontos`

Specified by:

`adicionarPontosFacil` in class `PontosAbstrata`

Parameters:

`contaLogada` - Conta do usuário que está jogando.

adicionarPontosMedio

`public void adicionarPontosMedio(Usuario contaLogada)`

Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra média.

Specified by:

`adicionarPontosMedio` in interface `Pontos`

Specified by:

`adicionarPontosMedio` in class `PontosAbstrata`

**Parameters:**

contaLogada - Conta do usuário que está jogando.

**adicionarPontosDificil**

```
public void adicionarPontosDificil(Usuario contaLogada)
```

Esse método será utilizado para calcular a quantidade de pontos que o usuário vai ganhar quando acertar uma palavra difícil.

**Specified by:**

adicionarPontosDificil in interface Pontos

**Specified by:**

adicionarPontosDificil in class PontosAbstrata

**Parameters:**

contaLogada - Conta do usuário que está jogando.

**removerPontos**

```
public void removerPontos(Usuario contaLogada,  
                           Number quantidade)
```

Esse método será utilizado para calcular a quantidade de pontos que serão removidos do usuário quando ele comprar uma dica.

**Specified by:**

removerPontos in interface Pontos

**Specified by:**

removerPontos in class PontosAbstrata

**Parameters:**

contaLogada - Conta do usuário que está jogando.

quantidade - Quantidade de pontos que serão removidos.

**Package** `com.mycompany.jogoforca`

# Class `SenhaIncorretaException`

`java.lang.Object`  
  `java.lang.Throwable`  
    `java.lang.Exception`  
      `com.mycompany.jogoforca.SenhaIncorretaException`

**All Implemented Interfaces:**

`Serializable`

```
public class SenhaIncorretaException  
extends Exception
```

Essa classe será utilizada para lançar uma exceção quando a senha digitada pelo usuário não estiver correta.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

[Serialized Form](#)

## Constructor Summary

### Constructors

Constructor	Description
<code>SenhaIncorretaException(String message)</code>	

## Method Summary

### Methods inherited from class `java.lang.Throwable`

`addSuppressed` , `fillInStackTrace` , `getCause` , `getLocalizedMessage` , `getMessage` , `getStackTrace` , `getSuppressed` , `initCause` , `printStackTrace` , `printStackTrace` , `printStackTrace` , `setStackTrace` , `toString`

### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `wait` , `wait` , `wait`

## Constructor Details

### `SenhaIncorretaException`

```
public SenhaIncorretaException(String message)
```

**Package** `com.mycompany.jogoforca`

# Class Usuario

`java.lang.Object`  
`com.mycompany.jogoforca.Usuario`

```
public class Usuario
extends Object
```

Essa classe foi criada para armazenar informações sobre o usuário.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

## Constructor Summary

Constructors	
Constructor	Description
<code>Usuario()</code>	

## Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
<code>String</code>	<code>getEmail()</code>	Esse método irá retornar o email do usuário.
<code>ArrayList &lt;Integer &gt;</code>	<code>getIndicesPalavras()</code>	Esse método irá retornar a lista de índices das palavras que já foram jogadas.
<code>String</code>	<code>getNome()</code>	Esse método irá retornar o nome do usuário.
<code>String</code>	<code>getNomeUser()</code>	Esse método irá retornar o nome do user do usuário.
<code>PontosAbstrata</code>	<code>getPontoChance()</code>	Esse método irá retornar um objeto do tipo pontos chance.
<code>PontosAbstrata</code>	<code>getPontoDica()</code>	Esse método irá retornar um objeto do tipo pontos dica.
<code>String</code>	<code>getSenha()</code>	Esse método irá retornar a senha do usuário.

void	<b>setEmail</b> (String email)	Esse método irá setar o email do usuário.
void	<b>setIndicePalavra</b> (int indice)	Esse método irá adicionar o índice das palavras jogadas pelo usuário.
void	<b>setNome</b> (String nome)	Esse método irá setar o nome do usuário.
void	<b>setNomeUser</b> (String nomeUsuario)	Esse método irá setar o nome de user do usuário.
void	<b>setPontoChance</b> (PontosAbstrata pontoChance)	Esse método irá setar o objeto pontos chance do usuário.
void	<b>setPontoDica</b> (PontosAbstrata pontoDica)	Esse método irá setar o objeto pontos dica do usuário.
void	<b>setSenha</b> (String senha)	Esse método irá setar o nome do usuário.

Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , toString , wait , wait , wait

Constructor Details

Usuario

```
public Usuario()
```

Method Details

getNome

```
public String getNome()
```

Esse método irá retornar o nome do usuário.

Returns:

Nome do usuário.

setNome

```
public void setNome(String nome)
```



Esse método irá setar o nome do usuário.

**Parameters:**

nome - Nome do usuário.

**getSenha**

```
public String getSenha()
```

Esse método irá retornar a senha do usuário.

**Returns:**

Senha do usuário.

**setSenha**

```
public void setSenha(String senha)
```

Esse método irá setar o nome do usuário.

**Parameters:**

senha - nome do usuário.

**getNomeUser**

```
public String getNomeUser()
```

Esse método irá retornar o nome do user do usuário.

**Returns:**

Nome do user do usuário.

**setNomeUser**

```
public void setNomeUser(String nomeUsuario)
```

Esse método irá setar o nome de user do usuário.

**Parameters:**

nomeUsuario - nome de user do usuário.

**getEmail**

```
public String getEmail()
```

Esse método irá retornar o email do usuário.

**Returns:**

Nome do usuário.

### setEmail

```
public void setEmail(String email)
```

Esse método irá setar o email do usuário.

**Parameters:**

email - Email do usuário.

### getPontoDica

```
public PontosAbstrata getPontoDica()
```

Esse método irá retornar um objeto do tipo pontos dica.

**Returns:**

Objetos do ponto dica.

### setPontoDica

```
public void setPontoDica(PontosAbstrata pontoDica)
```

Esse método irá setar o objeto pontos dica do usuário.

**Parameters:**

pontoDica - Um objeto do tipo pontos dica do usuário.

### getPontoChance

```
public PontosAbstrata getPontoChance()
```

Esse método irá retornar um objeto do tipo pontos chance.

**Returns:**

Objetos do ponto chance.

### setPontoChance

```
public void setPontoChance(PontosAbstrata pontoChance)
```

Esse método irá setar o objeto pontos chance do usuário.

**Parameters:**

pontoChance - Um objeto do tipo pontos chance do usuário.

## getIndicesPalavras

```
public ArrayList <Integer > getIndicesPalavras()
```

Esse método irá retornar a lista de índices das palavras que já foram jogadas.

**Returns:**

Lista de índices das palavras jogadas.

## setIndicePalavra

```
public void setIndicePalavra(int indice)
```

Esse método irá adicionar o índice das palavras jogadas pelo usuário.

**Parameters:**

indice - Índice da palavra.

## Package InterfaceGrafica

---

package InterfaceGrafica

### Classes

Class	Description
<b>TelaCadastrarContaUI</b>	Essa classe representa uma tela que será chamada caso o usuário queira cadastrar uma conta.
<b>TelaDificuldadeUI</b>	Essa classe representa uma tela que será chamada quando o usuário for escolher a dificuldade da palavra que quer jogar.
<b>TelaFinalPerdeuUI</b>	Essa classe representa uma tela que será chamada quando o usuário tiver perdido o jogo.
<b>TelaHistoricoUI</b>	Essa classe representa uma tela que será chamada quando o usuário quiser acessar seu histórico.
<b>TelaInicialUI</b>	Essa classe representa uma tela que será chamada quando o usuário quiser acessar seu histórico.
<b>TelaPontosUsuarioUI</b>	Essa classe representa uma tela que será chamada quando o usuário quiser acessar seus pontos
<b>TelaPontuacaoUI</b>	Essa classe representa uma tela que será utilizada para mostrar os pontos feitos naquela partida quando o usuário acertar a palavra.
<b>TelaPrincipalUI</b>	Essa classe representa uma tela que será apresentada quando o jogo começar.
<b>TelaUsuarioLogadoUI</b>	Essa classe representa uma tela que será apresentada assim que o usuário fizer login.

**Package** InterfaceGrafica

**Class TelaCadastrarContaUI**

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaCadastrarContaUI
```

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaCadastrarContaUI
extends JFrame
```

Essa classe representa uma tela que será chamada caso o usuário queira cadastrar uma conta.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

Serialized Form

***Nested Class Summary***

***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

Field Summary

Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

Constructor Summary

Constructors

Constructor	Description
<code>TelaCadastrarContaUI()</code>	Construtor da classe TelaCadastrarContaUI

Method Summary

All Methods      Static Methods      Concrete Methods

Modifier and Type	Method	Description
<code>static void</code>	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` , `getLayeredPane` , `getRootPane` , `getTransferHandler` , `isDefaultLookAndFeelDecorated` , `isRootPaneCheckingEnabled` ,  `paramString` , `processWindowEvent` , `remove` , `repaint`

`, setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update`

### Methods inherited from class `java.awt.Frame`

`addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated`

### Methods inherited from class `java.awt.Window`

`addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront`

### Methods inherited from class `java.awt.Container`

`add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree`

### Methods inherited from class `java.awt.Component`

action , add , addComponentListener , addFocusListener ,  
 addHierarchyBoundsListener , addHierarchyListener , addInputMethodListener ,  
 addKeyListener , addMouseListener , addMouseMotionListener , addMouseWheelListener  
 , bounds , checkImage , checkImage , coalesceEvents , contains , contains ,  
 createImage , createImage , createVolatileImage , createVolatileImage , disable ,  
 disableEvents , dispatchEvent , enable , enable , enableEvents ,  
 enableInputMethods , firePropertyChange , firePropertyChange , firePropertyChange  
 , firePropertyChange , firePropertyChange , firePropertyChange ,  
 firePropertyChange , firePropertyChange , firePropertyChange , getBaseline ,  
 getBaselineResizeBehavior , getBounds , getBounds , getColorModel ,  
 getComponentListeners , getComponentOrientation , getCursor , getDropTarget ,  
 getFocusListeners , getFocusTraversalKeysEnabled , getFont , getFontMetrics ,  
 getForeground , getGraphicsConfiguration , getHeight , getHierarchyBoundsListeners  
 , getHierarchyListeners , getIgnoreRepaint , getInputMethodListeners ,  
 getInputMethodRequests , getListeners , getLocation , getLocation ,  
 getLocationOnScreen , getMouseListeners , getMouseMotionListeners ,  
 getMousePosition , getMouseWheelListeners , getName , getParent ,  
 getPropertyChangeListeners , getPropertyChangeListeners , getSize , getSize ,  
 getTreeLock , getWidth , getX , getY , gotFocus , handleEvent , hasFocus ,  
 imageUpdate , inside , isBackgroundSet , isCursorSet , isDisplayable ,  
 isDoubleBuffered , isEnabled , isFocusable , isFocusOwner , isFocusTraversable ,  
 isFontSet , isForegroundSet , isLightweight , isMaximumSizeSet , isMinimumSizeSet  
 , isPreferredSizeSet , isValid , isVisible , keyDown , keyUp , list , list ,  
 list , location , lostFocus , mouseDown , mouseDrag , mouseEnter , mouseExit ,  
 mouseMove , mouseUp , move , nextFocus , paintAll , prepareImage , prepareImage ,  
 printAll , processComponentEvent , processFocusEvent , processHierarchyBoundsEvent  
 , processHierarchyEvent , processInputMethodEvent , processKeyEvent ,  
 processMouseEvent , processMouseMotionEvent , processMouseWheelEvent ,  
 removeComponentListener , removeFocusListener , removeHierarchyBoundsListener ,  
 removeHierarchyListener , removeInputMethodListener , removeKeyListener ,  
 removeMouseListener , removeMouseMotionListener , removeMouseWheelListener ,  
 removePropertyChangeListener , removePropertyChangeListener , repaint , repaint ,  
 repaint , requestFocus , requestFocus , requestFocus , requestFocus ,  
 requestFocusInWindow , requestFocusInWindow , requestFocusInWindow , resize ,  
 resize , revalidate , setComponentOrientation , setDropTarget , setEnabled ,  
 setFocusable , setFocusTraversalKeysEnabled , setForeground , setIgnoreRepaint ,  
 setLocale , setMaximumSize , setMixingCutoutShape , setName , setPreferredSize ,  
 show , size , toString , transferFocus , transferFocusBackward ,  
 transferFocusUpCycle

### Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait ,  
 wait , wait

### Methods inherited from interface java.awt.MenuContainer

getFont , postEvent

## Constructor Details



# TelaCadastrarContaUI

```
public TelaCadastrarContaUI()

Construtor da classe TelaCadastrarContaUI
```

## Method Details

### main

```
public static void main(String [] args)

Esse método será responsável por chamar a tela.

Parameters:
args - the command line arguments
```

**Package** InterfaceGrafica

## Class TelaDificuldadeUI

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaDificuldadeUI
```

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

---

```
public class TelaDificuldadeUI
  extends JFrame
```

Essa classe representa uma tela que será chamada quando o usuário for escolher a dificuldade da palavra que quer jogar.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

Serialized Form

### ***Nested Class Summary***

#### ***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

#### ***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

#### ***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

#### ***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

#### ***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior ,  
Component.BltBufferStrategy , Component.FlipBufferStrategy

## Field Summary

### Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

### Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

### Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

### Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

### Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

## Constructor Summary

### Constructors

Constructor	Description
<code>TelaDificuldadeUI(Jogo jogoAtual)</code>	Construtor da classe TelaDificuldadeUI

## Method Summary

All MethodsStatic MethodsConcrete Methods

Modifier and Type	Method	Description
<code>static void</code>	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

### Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` , `getLayeredPane` , `getRootPane` , `getTransferHandler` , `isDefaultLookAndFeelDecorated` , `isRootPaneCheckingEnabled` ,  `paramString` , `processWindowEvent` , `remove` , `repaint`

`, setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update`

### Methods inherited from class `java.awt.Frame`

`addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated`

### Methods inherited from class `java.awt.Window`

`addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront`

### Methods inherited from class `java.awt.Container`

`add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree`

### Methods inherited from class `java.awt.Component`

action , add , addComponentListener , addFocusListener ,  
 addHierarchyBoundsListener , addHierarchyListener , addInputMethodListener ,  
 addKeyListener , addMouseListener , addMouseMotionListener , addMouseWheelListener  
 , bounds , checkImage , checkImage , coalesceEvents , contains , contains ,  
 createImage , createImage , createVolatileImage , createVolatileImage , disable ,  
 disableEvents , dispatchEvent , enable , enable , enableEvents ,  
 enableInputMethods , firePropertyChange , firePropertyChange , firePropertyChange  
 , firePropertyChange , firePropertyChange , firePropertyChange ,  
 firePropertyChange , firePropertyChange , firePropertyChange , getBaseline ,  
 getBaselineResizeBehavior , getBounds , getBounds , getColorModel ,  
 getComponentListeners , getComponentOrientation , getCursor , getDropTarget ,  
 getFocusListeners , getFocusTraversalKeysEnabled , getFont , getFontMetrics ,  
 getForeground , getGraphicsConfiguration , getHeight , getHierarchyBoundsListeners  
 , getHierarchyListeners , getIgnoreRepaint , getInputMethodListeners ,  
 getInputMethodRequests , getListeners , getLocation , getLocation ,  
 getLocationOnScreen , getMouseListeners , getMouseMotionListeners ,  
 getMousePosition , getMouseWheelListeners , getName , getParent ,  
 getPropertyChangeListeners , getPropertyChangeListeners , getSize , getSize ,  
 getTreeLock , getWidth , getX , getY , gotFocus , handleEvent , hasFocus ,  
 imageUpdate , inside , isBackgroundSet , isCursorSet , isDisplayable ,  
 isDoubleBuffered , isEnabled , isFocusable , isFocusOwner , isFocusTraversable ,  
 isFontSet , isForegroundSet , isLightweight , isMaximumSizeSet , isMinimumSizeSet  
 , isPreferredSizeSet , isValid , isVisible , keyDown , keyUp , list , list ,  
 list , location , lostFocus , mouseDown , mouseDrag , mouseEnter , mouseExit ,  
 mouseMove , mouseUp , move , nextFocus , paintAll , prepareImage , prepareImage ,  
 printAll , processComponentEvent , processFocusEvent , processHierarchyBoundsEvent  
 , processHierarchyEvent , processInputMethodEvent , processKeyEvent ,  
 processMouseEvent , processMouseMotionEvent , processMouseWheelEvent ,  
 removeComponentListener , removeFocusListener , removeHierarchyBoundsListener ,  
 removeHierarchyListener , removeInputMethodListener , removeKeyListener ,  
 removeMouseListener , removeMouseMotionListener , removeMouseWheelListener ,  
 removePropertyChangeListener , removePropertyChangeListener , repaint , repaint ,  
 repaint , requestFocus , requestFocus , requestFocus , requestFocus ,  
 requestFocusInWindow , requestFocusInWindow , requestFocusInWindow , resize ,  
 resize , revalidate , setComponentOrientation , setDropTarget , setEnabled ,  
 setFocusable , setFocusTraversalKeysEnabled , setForeground , setIgnoreRepaint ,  
 setLocale , setMaximumSize , setMixingCutoutShape , setName , setPreferredSize ,  
 show , size , toString , transferFocus , transferFocusBackward ,  
 transferFocusUpCycle

### Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait ,  
 wait , wait

### Methods inherited from interface java.awt.MenuContainer

getFont , postEvent

## Constructor Details

## TelaDificuldadeUI

```
public TelaDificuldadeUI(Jogo jogoAtual)
```

Construtor da classe TelaDificuldadeUI

### Method Details

#### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments

**Package** InterfaceGrafica

## Class TelaFinalPerdeuUI

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaFinalPerdeuUI
```

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaFinalPerdeuUI
extends JFrame
```

Essa classe representa uma tela que será chamada quando o usuário tiver perdido o jogo.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

[Serialized Form](#)

### Nested Class Summary

***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

## Field Summary

### Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

### Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

### Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

### Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

### Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

## Constructor Summary

### Constructors

Constructor	Description
<code>TelaFinalPerdeuUI()</code>	Construtor da classe TelaFinalPerdeuUI
<code>TelaFinalPerdeuUI(Jogo jogoAtual)</code>	Construtor da classe TelaFinalPerdeuUI

## Method Summary

All MethodsStatic MethodsConcrete Methods

Modifier and Type	Method	Description
static void	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

### Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` ,



getLayeredPane , getRootPane , getTransferHandler , isDefaultLookAndFeelDecorated , isRootPaneCheckingEnabled , paramString , processWindowEvent , remove , repaint , setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update

### Methods inherited from class java.awt.Frame

addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated

### Methods inherited from class java.awt.Window

addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront

### Methods inherited from class java.awt.Container

add , add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree

action , add , addComponentListener , addFocusListener ,  
addHierarchyBoundsListener , addHierarchyListener , addInputMethodListener ,  
addKeyListener , addMouseListener , addMouseMotionListener , addMouseWheelListener  
 , bounds , checkImage , checkImage , coalesceEvents , contains , contains ,  
createImage , createImage , createVolatileImage , createVolatileImage , disable ,  
disableEvents , dispatchEvent , enable , enable , enableEvents ,  
enableInputMethods , firePropertyChange , firePropertyChange , firePropertyChange  
 , firePropertyChange , firePropertyChange , firePropertyChange ,  
firePropertyChange , firePropertyChange , firePropertyChange , getBaseline ,  
getBaselineResizeBehavior , getBounds , getBounds , getColorModel ,  
getComponentListeners , getComponentOrientation , getCursor , getDropTarget ,  
getFocusListeners , getFocusTraversalKeysEnabled , getFont , getFontMetrics ,  
getForeground , getGraphicsConfiguration , getHeight , getHierarchyBoundsListeners  
 , getHierarchyListeners , getIgnoreRepaint , getInputMethodListeners ,  
getInputMethodRequests , getListeners , getLocation , getLocation ,  
getLocationOnScreen , getMouseListeners , getMouseMotionListeners ,  
getMousePosition , getMouseWheelListeners , getName , getParent ,  
getPropertyChangeListeners , getPropertyChangeListeners , getSize , getSize ,  
getTreeLock , getWidth , getX , getY , gotFocus , handleEvent , hasFocus ,  
imageUpdate , inside , setBackgroundSet , isCursorSet , isDisplayable ,  
isDoubleBuffered , isEnabled , isFocusable , isFocusOwner , isFocusTraversable ,  
isFontSet , isForegroundSet , isLightweight , isMaximumSizeSet , isMinimumSizeSet  
 , isPreferredSizeSet , isValid , isVisible , keyDown , keyUp , list , list ,  
list , location , lostFocus , mouseDown , mouseDrag , mouseEnter , mouseExit ,  
mouseMove , mouseUp , move , nextFocus , paintAll , prepareImage , prepareImage ,  
printAll , processComponentEvent , processFocusEvent , processHierarchyBoundsEvent  
 , processHierarchyEvent , processInputMethodEvent , processKeyEvent ,  
processMouseEvent , processMouseMotionEvent , processMouseWheelEvent ,  
removeComponentListener , removeFocusListener , removeHierarchyBoundsListener ,  
removeHierarchyListener , removeInputMethodListener , removeKeyListener ,  
removeMouseListener , removeMouseMotionListener , removeMouseWheelListener ,  
removePropertyChangeListener , removePropertyChangeListener , repaint , repaint ,  
repaint , requestFocus , requestFocus , requestFocus , requestFocus ,  
requestFocusInWindow , requestFocusInWindow , requestFocusInWindow , resize ,  
resize , revalidate , setComponentOrientation , setDropTarget , setEnabled ,  
setFocusable , setFocusTraversalKeysEnabled , setForeground , setIgnoreRepaint ,  
setLocale , setMaximumSize , setMixingCutoutShape , setName , setPreferredSize ,  
show , size , toString , transferFocus , transferFocusBackward ,  
transferFocusUpCycle

```
clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait ,
wait , wait
```

getFont , postEvent

## Constructor Details

### TelaFinalPerdeuUI

```
public TelaFinalPerdeuUI()
```

Construtor da classe TelaFinalPerdeuUI

### TelaFinalPerdeuUI

```
public TelaFinalPerdeuUI(Jogo jogoAtual)
```

Construtor da classe TelaFinalPerdeuUI

## Method Details

### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments

**Package** InterfaceGrafica

**Class TelaHistoricoUI**

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaHistoricoUI
```

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaHistoricoUI
extends JFrame
```

Essa classe representa uma tela que será chamada quando o usuário quiser acessar seu histórico.

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Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

Serialized Form

***Nested Class Summary***

***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

Field Summary

Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

Constructor Summary

Constructors

Constructor	Description
<code>TelaHistoricoUI()</code>	Construtor da classe TelaHistoricoUI
<code>TelaHistoricoUI(Jogo jogoAtual)</code>	Construtor da classe TelaHistoricoUI

Method Summary

All Methods      Static Methods      Concrete Methods

Modifier and Type	Method	Description
static void	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` ,

getLayeredPane , getRootPane , getTransferHandler , isDefaultLookAndFeelDecorated , isRootPaneCheckingEnabled , paramString , processWindowEvent , remove , repaint , setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update

### Methods inherited from class java.awt.Frame

addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated

### Methods inherited from class java.awt.Window

addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront

### Methods inherited from class java.awt.Container

add , add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree

### Methods inherited from class `java.awt.Component`

`action` , `add` , `addComponentListener` , `addFocusListener` ,  
`addHierarchyBoundsListener` , `addHierarchyListener` , `addInputMethodListener` ,  
`addKeyListener` , `addMouseListener` , `addMouseMotionListener` , `addMouseWheelListener` ,  
`bounds` , `checkImage` , `checkImage` , `coalesceEvents` , `contains` , `contains` ,  
`createImage` , `createImage` , `createVolatileImage` , `createVolatileImage` , `disable` ,  
`disableEvents` , `dispatchEvent` , `enable` , `enable` , `enableEvents` ,  
`enableInputMethods` , `firePropertyChange` , `firePropertyChange` , `firePropertyChange` ,  
`firePropertyChange` , `firePropertyChange` , `firePropertyChange` ,  
`firePropertyChange` , `firePropertyChange` , `firePropertyChange` , `getBaseline` ,  
`getBaselineResizeBehavior` , `getBounds` , `getBounds` , `getColorModel` ,  
`getComponentListeners` , `getComponentOrientation` , `getCursor` , `getDropTarget` ,  
`getFocusListeners` , `getFocusTraversalKeysEnabled` , `getFont` , `getFontMetrics` ,  
`getForeground` , `getGraphicsConfiguration` , `getHeight` , `getHierarchyBoundsListeners` ,  
`getHierarchyListeners` , `getIgnoreRepaint` , `getInputMethodListeners` ,  
`getInputMethodRequests` , `getKeyListeners` , `getLocation` , `getLocation` ,  
`getLocationOnScreen` , `getMouseListeners` , `getMouseMotionListeners` ,  
`getMousePosition` , `getMouseWheelListeners` , `getName` , `getParent` ,  
`getPropertyChangeListeners` , `getPropertyChangeListeners` , `getSize` , `getSize` ,  
`getTreeLock` , `getWidth` , `getX` , `getY` , `gotFocus` , `handleEvent` , `hasFocus` ,  
`imageUpdate` , `inside` , `isBackgroundSet` , `isCursorSet` , `isDisplayable` ,  
`isDoubleBuffered` , `isEnabled` , `isFocusable` , `isFocusOwner` , `isFocusTraversable` ,  
`isFontSet` , `isForegroundSet` , `isLightweight` , `isMaximumSizeSet` , `isMinimumSizeSet` ,  
`isPreferredSizeSet` , `isValid` , `isVisible` , `keyDown` , `keyUp` , `list` , `list` ,  
`list` , `location` , `lostFocus` , `mouseDown` , `mouseDrag` , `mouseEnter` , `mouseExit` ,  
`mouseMove` , `mouseUp` , `move` , `nextFocus` , `paintAll` , `prepareImage` , `prepareImage` ,  
`printAll` , `processComponentEvent` , `processFocusEvent` , `processHierarchyBoundsEvent` ,  
`processHierarchyEvent` , `processInputMethodEvent` , `processKeyEvent` ,  
`processMouseEvent` , `processMouseMotionEvent` , `processMouseWheelEvent` ,  
`removeComponentListener` , `removeFocusListener` , `removeHierarchyBoundsListener` ,  
`removeHierarchyListener` , `removeInputMethodListener` , `removeKeyListener` ,  
`removeMouseListener` , `removeMouseMotionListener` , `removeMouseWheelListener` ,  
`removePropertyChangeListener` , `removePropertyChangeListener` , `repaint` , `repaint` ,  
`repaint` , `requestFocus` , `requestFocus` , `requestFocus` , `requestFocus` ,  
`requestFocusInWindow` , `requestFocusInWindow` , `requestFocusInWindow` , `resize` ,  
`resize` , `revalidate` , `setComponentOrientation` , `setDropTarget` , `setEnabled` ,  
`setFocusable` , `setFocusTraversalKeysEnabled` , `setForeground` , `setIgnoreRepaint` ,  
`setLocale` , `setMaximumSize` , `setMixingCutoutShape` , `setName` , `setPreferredSize` ,  
`show` , `size` , `toString` , `transferFocus` , `transferFocusBackward` ,  
`transferFocusUpCycle`

### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `wait` ,  
`wait` , `wait`

### Methods inherited from interface `java.awt.MenuContainer`

`getFont` , `postEvent`

## Constructor Details

### TelaHistoricoUI

```
public TelaHistoricoUI()
```

Construtor da classe TelaHistoricoUI

### TelaHistoricoUI

```
public TelaHistoricoUI(Jogo jogoAtual)
```

Construtor da classe TelaHistoricoUI

## Method Details

### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments



**Package** InterfaceGrafica

## Class TelaInicialUI

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaInicialUI
```

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

---

```
public class TelaInicialUI
  extends JFrame
```

Essa classe representa uma tela que será chamada quando o usuário quiser acessar seu histórico.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

[Serialized Form](#)

### ***Nested Class Summary***

#### ***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

#### ***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

#### ***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

#### ***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

#### ***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

Field Summary

Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

Constructor Summary

Constructors

Constructor	Description
<code>TelaInicialUI()</code>	Construtor da classe TelaHistoricoUI

Method Summary

All Methods      Static Methods      Concrete Methods

Modifier and Type	Method	Description
<code>static void</code>	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` , `getLayeredPane` , `getRootPane` , `getTransferHandler` , `isDefaultLookAndFeelDecorated` , `isRootPaneCheckingEnabled` ,  `paramString` , `processWindowEvent` , `remove` , `repaint`

`, setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update`

### Methods inherited from class `java.awt.Frame`

`addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated`

### Methods inherited from class `java.awt.Window`

`addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront`

### Methods inherited from class `java.awt.Container`

`add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree`

### Methods inherited from class `java.awt.Component`

action , add , addComponentListener , addFocusListener ,  
 addHierarchyBoundsListener , addHierarchyListener , addInputMethodListener ,  
 addKeyListener , addMouseListener , addMouseMotionListener , addMouseWheelListener  
 , bounds , checkImage , checkImage , coalesceEvents , contains , contains ,  
 createImage , createImage , createVolatileImage , createVolatileImage , disable ,  
 disableEvents , dispatchEvent , enable , enable , enableEvents ,  
 enableInputMethods , firePropertyChange , firePropertyChange , firePropertyChange  
 , firePropertyChange , firePropertyChange , firePropertyChange ,  
 firePropertyChange , firePropertyChange , firePropertyChange , getBaseline ,  
 getBaselineResizeBehavior , getBounds , getBounds , getColorModel ,  
 getComponentListeners , getComponentOrientation , getCursor , getDropTarget ,  
 getFocusListeners , getFocusTraversalKeysEnabled , getFont , getFontMetrics ,  
 getForeground , getGraphicsConfiguration , getHeight , getHierarchyBoundsListeners  
 , getHierarchyListeners , getIgnoreRepaint , getInputMethodListeners ,  
 getInputMethodRequests , getListeners , getLocation , getLocation ,  
 getLocationOnScreen , getMouseListeners , getMouseMotionListeners ,  
 getMousePosition , getMouseWheelListeners , getName , getParent ,  
 getPropertyChangeListeners , getPropertyChangeListeners , getSize , getSize ,  
 getTreeLock , getWidth , getX , getY , gotFocus , handleEvent , hasFocus ,  
 imageUpdate , inside , isBackgroundSet , isCursorSet , isDisplayable ,  
 isDoubleBuffered , isEnabled , isFocusable , isFocusOwner , isFocusTraversable ,  
 isFontSet , isForegroundSet , isLightweight , isMaximumSizeSet , isMinimumSizeSet  
 , isPreferredSizeSet , isValid , isVisible , keyDown , keyUp , list , list ,  
 list , location , lostFocus , mouseDown , mouseDrag , mouseEnter , mouseExit ,  
 mouseMove , mouseUp , move , nextFocus , paintAll , prepareImage , prepareImage ,  
 printAll , processComponentEvent , processFocusEvent , processHierarchyBoundsEvent  
 , processHierarchyEvent , processInputMethodEvent , processKeyEvent ,  
 processMouseEvent , processMouseMotionEvent , processMouseWheelEvent ,  
 removeComponentListener , removeFocusListener , removeHierarchyBoundsListener ,  
 removeHierarchyListener , removeInputMethodListener , removeKeyListener ,  
 removeMouseListener , removeMouseMotionListener , removeMouseWheelListener ,  
 removePropertyChangeListener , removePropertyChangeListener , repaint , repaint ,  
 repaint , requestFocus , requestFocus , requestFocus , requestFocus ,  
 requestFocusInWindow , requestFocusInWindow , requestFocusInWindow , resize ,  
 resize , revalidate , setComponentOrientation , setDropTarget , setEnabled ,  
 setFocusable , setFocusTraversalKeysEnabled , setForeground , setIgnoreRepaint ,  
 setLocale , setMaximumSize , setMixingCutoutShape , setName , setPreferredSize ,  
 show , size , toString , transferFocus , transferFocusBackward ,  
 transferFocusUpCycle

### Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait ,  
 wait , wait

### Methods inherited from interface java.awt.MenuContainer

getFont , postEvent

## Constructor Details

## TelaInicialUI

```
public TelaInicialUI()
```

Construtor da classe TelaHistoricoUI

### *Method Details*

#### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments

**Package** InterfaceGrafica

**Class** TelaPontosUsuarioUI

java.lang.Object  
  java.awt.Component  
    java.awt.Container  
      java.awt.Window  
        java.awt.Frame  
          javax.swing.JFrame  
            InterfaceGrafica.TelaPontosUsuarioUI

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaPontosUsuarioUI
extends JFrame
```

Essa classe representa uma tela que será chamada quando o usuário quiser acessar seus pontos

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

Serialized Form

***Nested Class Summary***

***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

## Field Summary

### Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

### Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

### Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

### Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

### Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

## Constructor Summary

### Constructors

Constructor	Description
<code>TelaPontosUsuarioUI(Jogo jogoAtual)</code>	Construtor da classe TelaPontosUsuarioUI

## Method Summary

All MethodsStatic MethodsConcrete Methods

Modifier and Type	Method	Description
<code>static void</code>	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

### Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` , `getLayeredPane` , `getRootPane` , `getTransferHandler` , `isDefaultLookAndFeelDecorated` , `isRootPaneCheckingEnabled` ,  `paramString` , `processWindowEvent` , `remove` , `repaint`

`, setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update`

### Methods inherited from class `java.awt.Frame`

`addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated`

### Methods inherited from class `java.awt.Window`

`addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront`

### Methods inherited from class `java.awt.Container`

`add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree`

### Methods inherited from class `java.awt.Component`



action , add , addComponentListener , addFocusListener ,  
 addHierarchyBoundsListener , addHierarchyListener , addInputMethodListener ,  
 addKeyListener , addMouseListener , addMouseMotionListener , addMouseWheelListener  
 , bounds , checkImage , checkImage , coalesceEvents , contains , contains ,  
 createImage , createImage , createVolatileImage , createVolatileImage , disable ,  
 disableEvents , dispatchEvent , enable , enable , enableEvents ,  
 enableInputMethods , firePropertyChange , firePropertyChange , firePropertyChange  
 , firePropertyChange , firePropertyChange , firePropertyChange ,  
 firePropertyChange , firePropertyChange , firePropertyChange , getBaseline ,  
 getBaselineResizeBehavior , getBounds , getBounds , getColorModel ,  
 getComponentListeners , getComponentOrientation , getCursor , getDropTarget ,  
 getFocusListeners , getFocusTraversalKeysEnabled , getFont , getFontMetrics ,  
 getForeground , getGraphicsConfiguration , getHeight , getHierarchyBoundsListeners  
 , getHierarchyListeners , getIgnoreRepaint , getInputMethodListeners ,  
 getInputMethodRequests , getListeners , getLocation , getLocation ,  
 getLocationOnScreen , getMouseListeners , getMouseMotionListeners ,  
 getMousePosition , getMouseWheelListeners , getName , getParent ,  
 getPropertyChangeListeners , getPropertyChangeListeners , getSize , getSize ,  
 getTreeLock , getWidth , getX , getY , gotFocus , handleEvent , hasFocus ,  
 imageUpdate , inside , isBackgroundSet , isCursorSet , isDisplayable ,  
 isDoubleBuffered , isEnabled , isFocusable , isFocusOwner , isFocusTraversable ,  
 isFontSet , isForegroundSet , isLightweight , isMaximumSizeSet , isMinimumSizeSet  
 , isPreferredSizeSet , isValid , isVisible , keyDown , keyUp , list , list ,  
 list , location , lostFocus , mouseDown , mouseDrag , mouseEnter , mouseExit ,  
 mouseMove , mouseUp , move , nextFocus , paintAll , prepareImage , prepareImage ,  
 printAll , processComponentEvent , processFocusEvent , processHierarchyBoundsEvent  
 , processHierarchyEvent , processInputMethodEvent , processKeyEvent ,  
 processMouseEvent , processMouseMotionEvent , processMouseWheelEvent ,  
 removeComponentListener , removeFocusListener , removeHierarchyBoundsListener ,  
 removeHierarchyListener , removeInputMethodListener , removeKeyListener ,  
 removeMouseListener , removeMouseMotionListener , removeMouseWheelListener ,  
 removePropertyChangeListener , removePropertyChangeListener , repaint , repaint ,  
 repaint , requestFocus , requestFocus , requestFocus , requestFocus ,  
 requestFocusInWindow , requestFocusInWindow , requestFocusInWindow , resize ,  
 resize , revalidate , setComponentOrientation , setDropTarget , setEnabled ,  
 setFocusable , setFocusTraversalKeysEnabled , setForeground , setIgnoreRepaint ,  
 setLocale , setMaximumSize , setMixingCutoutShape , setName , setPreferredSize ,  
 show , size , toString , transferFocus , transferFocusBackward ,  
 transferFocusUpCycle

### Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait ,  
 wait , wait

### Methods inherited from interface java.awt.MenuContainer

getFont , postEvent

## Constructor Details

# TelaPontosUsuarioUI

```
public TelaPontosUsuarioUI(Jogo jogoAtual)
```

Construtor da classe TelaPontosUsuarioUI

## Method Details

### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments

**Package** InterfaceGrafica

# Class TelaPontuacaoUI

java.lang.Object

java.awt.Component

java.awt.Container

java.awt.Window

java.awt.Frame

javax.swing.JFrame

InterfaceGrafica.TelaPontuacaoUI

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaPontuacaoUI
extends JFrame
```

Essa classe representa uma tela que será utilizada para mostrar os pontos feitos naquela partida quando o usuário acertar a palavra.

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Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

Serialized Form

## Nested Class Summary

### *Nested classes/interfaces inherited from class javax.swing.JFrame*

JFrame.AccessibleJFrame

### *Nested classes/interfaces inherited from class java.awt.Frame*

Frame.AccessibleAWTFrame

### *Nested classes/interfaces inherited from class java.awt.Window*

Window.AccessibleAWTWindow , Window.Type

### *Nested classes/interfaces inherited from class java.awt.Container*

Container.AccessibleAWTContainer

### *Nested classes/interfaces inherited from class java.awt.Component*

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

Field Summary

Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

Constructor Summary

Constructors

Constructor	Description
<code>TelaPontuacaoUI()</code>	Construtor da classe TelaPontuacaoUI
<code>TelaPontuacaoUI(Jogo jogoAtual)</code>	Construtor da classe TelaPontuacaoUI

Method Summary

All Methods      Static Methods      Concrete Methods

Modifier and Type	Method	Description
static void	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` ,

getLayeredPane , getRootPane , getTransferHandler , isDefaultLookAndFeelDecorated , isRootPaneCheckingEnabled , paramString , processWindowEvent , remove , repaint , setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update

### Methods inherited from class java.awt.Frame

addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated

### Methods inherited from class java.awt.Window

addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront

### Methods inherited from class java.awt.Container

add , add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree

## Methods inherited from class `java.awt.Component`

`action` , `add` , `addComponentListener` , `addFocusListener` ,  
`addHierarchyBoundsListener` , `addHierarchyListener` , `addInputMethodListener` ,  
`addKeyListener` , `addMouseListener` , `addMouseMotionListener` , `addMouseWheelListener` ,  
`bounds` , `checkImage` , `checkImage` , `coalesceEvents` , `contains` , `contains` ,  
`createImage` , `createImage` , `createVolatileImage` , `createVolatileImage` , `disable` ,  
`disableEvents` , `dispatchEvent` , `enable` , `enable` , `enableEvents` ,  
`enableInputMethods` , `firePropertyChange` , `firePropertyChange` , `firePropertyChange` ,  
`firePropertyChange` , `firePropertyChange` , `firePropertyChange` ,  
`firePropertyChange` , `firePropertyChange` , `firePropertyChange` , `getBaseline` ,  
`getBaselineResizeBehavior` , `getBounds` , `getBounds` , `getColorModel` ,  
`getComponentListeners` , `getComponentOrientation` , `getCursor` , `getDropTarget` ,  
`getFocusListeners` , `getFocusTraversalKeysEnabled` , `getFont` , `getFontMetrics` ,  
`getForeground` , `getGraphicsConfiguration` , `getHeight` , `getHierarchyBoundsListeners` ,  
`getHierarchyListeners` , `getIgnoreRepaint` , `getInputMethodListeners` ,  
`getInputMethodRequests` , `getKeyListeners` , `getLocation` , `getLocation` ,  
`getLocationOnScreen` , `getMouseListeners` , `getMouseMotionListeners` ,  
`getMousePosition` , `getMouseWheelListeners` , `getName` , `getParent` ,  
`getPropertyChangeListeners` , `getPropertyChangeListeners` , `getSize` , `getSize` ,  
`getTreeLock` , `getWidth` , `getX` , `getY` , `gotFocus` , `handleEvent` , `hasFocus` ,  
`imageUpdate` , `inside` , `isBackgroundSet` , `isCursorSet` , `isDisplayable` ,  
`isDoubleBuffered` , `isEnabled` , `isFocusable` , `isFocusOwner` , `isFocusTraversable` ,  
`isFontSet` , `isForegroundSet` , `isLightweight` , `isMaximumSizeSet` , `isMinimumSizeSet` ,  
`isPreferredSizeSet` , `isValid` , `isVisible` , `keyDown` , `keyUp` , `list` , `list` ,  
`list` , `location` , `lostFocus` , `mouseDown` , `mouseDrag` , `mouseEnter` , `mouseExit` ,  
`mouseMove` , `mouseUp` , `move` , `nextFocus` , `paintAll` , `prepareImage` , `prepareImage` ,  
`printAll` , `processComponentEvent` , `processFocusEvent` , `processHierarchyBoundsEvent` ,  
`processHierarchyEvent` , `processInputMethodEvent` , `processKeyEvent` ,  
`processMouseEvent` , `processMouseMotionEvent` , `processMouseWheelEvent` ,  
`removeComponentListener` , `removeFocusListener` , `removeHierarchyBoundsListener` ,  
`removeHierarchyListener` , `removeInputMethodListener` , `removeKeyListener` ,  
`removeMouseListener` , `removeMouseMotionListener` , `removeMouseWheelListener` ,  
`removePropertyChangeListener` , `removePropertyChangeListener` , `repaint` , `repaint` ,  
`repaint` , `requestFocus` , `requestFocus` , `requestFocus` , `requestFocus` ,  
`requestFocusInWindow` , `requestFocusInWindow` , `requestFocusInWindow` , `resize` ,  
`resize` , `revalidate` , `setComponentOrientation` , `setDropTarget` , `setEnabled` ,  
`setFocusable` , `setFocusTraversalKeysEnabled` , `setForeground` , `setIgnoreRepaint` ,  
`setLocale` , `setMaximumSize` , `setMixingCutoutShape` , `setName` , `setPreferredSize` ,  
`show` , `size` , `toString` , `transferFocus` , `transferFocusBackward` ,  
`transferFocusUpCycle`

## Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `wait` ,  
`wait` , `wait`

## Methods inherited from interface `java.awt.MenuContainer`

`getFont` , `postEvent`

## Constructor Details

### TelaPontuacaoUI

```
public TelaPontuacaoUI()
```

Construtor da classe TelaPontuacaoUI

### TelaPontuacaoUI

```
public TelaPontuacaoUI(Jogo jogoAtual)
```

Construtor da classe TelaPontuacaoUI

## Method Details

### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments

**Package** InterfaceGrafica

**Class** TelaPrincipalUI

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaPrincipalUI
```

**All Implemented Interfaces:**  
ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaPrincipalUI
extends JFrame
```

Essa classe representa uma tela que será apresentada quando o jogo começar.

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**See Also:**

Serialized Form

***Nested Class Summary***

***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy



Field Summary

Fields inherited from class javax.swing.JFrame

accessibleContext , rootPane , rootPaneCheckingEnabled

Fields inherited from class java.awt.Frame

CROSSHAIR\_CURSOR , DEFAULT\_CURSOR , E\_RESIZE\_CURSOR , HAND\_CURSOR , ICONIFIED , MAXIMIZED\_BOTH , MAXIMIZED\_HORIZ , MAXIMIZED\_VERT , MOVE\_CURSOR , N\_RESIZE\_CURSOR , NE\_RESIZE\_CURSOR , NORMAL , NW\_RESIZE\_CURSOR , S\_RESIZE\_CURSOR , SE\_RESIZE\_CURSOR , SW\_RESIZE\_CURSOR , TEXT\_CURSOR , W\_RESIZE\_CURSOR , WAIT\_CURSOR

Fields inherited from class java.awt.Component

BOTTOM\_ALIGNMENT , CENTER\_ALIGNMENT , LEFT\_ALIGNMENT , RIGHT\_ALIGNMENT , TOP\_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT , ALLBITS , ERROR , FRAMEBITS , HEIGHT , PROPERTIES , SOMEBITS , WIDTH

Fields inherited from interface javax.swing.WindowConstants

DISPOSE\_ON\_CLOSE , DO\_NOTHING\_ON\_CLOSE , EXIT\_ON\_CLOSE , HIDE\_ON\_CLOSE

Constructor Summary

Constructors

Constructor	Description
TelaPrincipalUI(Jogo jogoAtual)	Construtor da classe TelaPrincipalU

Method Summary

All Methods      Static Methods      Concrete Methods

Modifier and Type	Method	Description
static void	main(String [] args)	Esse método será responsável por chamar a tela.

Methods inherited from class javax.swing.JFrame

addImpl , createRootPane , frameInit , getAccessibleContext , getContentPane , getDefaultCloseOperation , getGlassPane , getGraphics , getJMenuBar , getLayeredPane , getRootPane , getTransferHandler , isDefaultLookAndFeelDecorated , isRootPaneCheckingEnabled , paramString , processWindowEvent , remove , repaint

`, setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update`

### Methods inherited from class `java.awt.Frame`

`addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated`

### Methods inherited from class `java.awt.Window`

`addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront`

### Methods inherited from class `java.awt.Container`

`add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree`

### Methods inherited from class `java.awt.Component`

action , add , addComponentListener , addFocusListener ,  
 addHierarchyBoundsListener , addHierarchyListener , addInputMethodListener ,  
 addKeyListener , addMouseListener , addMouseMotionListener , addMouseWheelListener  
 , bounds , checkImage , checkImage , coalesceEvents , contains , contains ,  
 createImage , createImage , createVolatileImage , createVolatileImage , disable ,  
 disableEvents , dispatchEvent , enable , enable , enableEvents ,  
 enableInputMethods , firePropertyChange , firePropertyChange , firePropertyChange  
 , firePropertyChange , firePropertyChange , firePropertyChange ,  
 firePropertyChange , firePropertyChange , firePropertyChange , getBaseline ,  
 getBaselineResizeBehavior , getBounds , getBounds , getColorModel ,  
 getComponentListeners , getComponentOrientation , getCursor , getDropTarget ,  
 getFocusListeners , getFocusTraversalKeysEnabled , getFont , getFontMetrics ,  
 getForeground , getGraphicsConfiguration , getHeight , getHierarchyBoundsListeners  
 , getHierarchyListeners , getIgnoreRepaint , getInputMethodListeners ,  
 getInputMethodRequests , getListeners , getLocation , getLocation ,  
 getLocationOnScreen , getMouseListeners , getMouseMotionListeners ,  
 getMousePosition , getMouseWheelListeners , getName , getParent ,  
 getPropertyChangeListeners , getPropertyChangeListeners , getSize , getSize ,  
 getTreeLock , getWidth , getX , getY , gotFocus , handleEvent , hasFocus ,  
 imageUpdate , inside , isBackgroundSet , isCursorSet , isDisplayable ,  
 isDoubleBuffered , isEnabled , isFocusable , isFocusOwner , isFocusTraversable ,  
 isFontSet , isForegroundSet , isLightweight , isMaximumSizeSet , isMinimumSizeSet  
 , isPreferredSizeSet , isValid , isVisible , keyDown , keyUp , list , list ,  
 list , location , lostFocus , mouseDown , mouseDrag , mouseEnter , mouseExit ,  
 mouseMove , mouseUp , move , nextFocus , paintAll , prepareImage , prepareImage ,  
 printAll , processComponentEvent , processFocusEvent , processHierarchyBoundsEvent  
 , processHierarchyEvent , processInputMethodEvent , processKeyEvent ,  
 processMouseEvent , processMouseMotionEvent , processMouseWheelEvent ,  
 removeComponentListener , removeFocusListener , removeHierarchyBoundsListener ,  
 removeHierarchyListener , removeInputMethodListener , removeKeyListener ,  
 removeMouseListener , removeMouseMotionListener , removeMouseWheelListener ,  
 removePropertyChangeListener , removePropertyChangeListener , repaint , repaint ,  
 repaint , requestFocus , requestFocus , requestFocus , requestFocus ,  
 requestFocusInWindow , requestFocusInWindow , requestFocusInWindow , resize ,  
 resize , revalidate , setComponentOrientation , setDropTarget , setEnabled ,  
 setFocusable , setFocusTraversalKeysEnabled , setForeground , setIgnoreRepaint ,  
 setLocale , setMaximumSize , setMixingCutoutShape , setName , setPreferredSize ,  
 show , size , toString , transferFocus , transferFocusBackward ,  
 transferFocusUpCycle

### Methods inherited from class java.lang.Object

clone , equals , finalize , getClass , hashCode , notify , notifyAll , wait ,  
 wait , wait

### Methods inherited from interface java.awt.MenuContainer

getFont , postEvent

## Constructor Details

## TelaPrincipalUI

```
public TelaPrincipalUI(Jogo jogoAtual)
```

Construtor da classe TelaPrincipalU

### Method Details

#### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments

**Package** InterfaceGrafica

**Class TelaUsuarioLogadoUI**

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            InterfaceGrafica.TelaUsuarioLogadoUI
```

**All Implemented Interfaces:**

ImageObserver , MenuContainer , Serializable , Accessible , RootPaneContainer , WindowConstants

```
public class TelaUsuarioLogadoUI
extends JFrame
```

Essa classe representa uma tela que será apresentada assim que o usuário fizer login.

**Author:**

Ana Beatriz Gomes Takehara, Heloísa Silveira Bula e Lara Cesquini Stopa

**See Also:**

Serialized Form

***Nested Class Summary***

***Nested classes/interfaces inherited from class javax.swing.JFrame***

JFrame.AccessibleJFrame

***Nested classes/interfaces inherited from class java.awt.Frame***

Frame.AccessibleAWTFrame

***Nested classes/interfaces inherited from class java.awt.Window***

Window.AccessibleAWTWindow , Window.Type

***Nested classes/interfaces inherited from class java.awt.Container***

Container.AccessibleAWTContainer

***Nested classes/interfaces inherited from class java.awt.Component***

Component.AccessibleAWTComponent , Component.BaselineResizeBehavior , Component.BltBufferStrategy , Component.FlipBufferStrategy

## Field Summary

### Fields inherited from class javax.swing.JFrame

`accessibleContext` , `rootPane` , `rootPaneCheckingEnabled`

### Fields inherited from class java.awt.Frame

`CROSSHAIR_CURSOR` , `DEFAULT_CURSOR` , `E_RESIZE_CURSOR` , `HAND_CURSOR` , `ICONIFIED` , `MAXIMIZED_BOTH` , `MAXIMIZED_HORIZ` , `MAXIMIZED_VERT` , `MOVE_CURSOR` , `N_RESIZE_CURSOR` , `NE_RESIZE_CURSOR` , `NORMAL` , `NW_RESIZE_CURSOR` , `S_RESIZE_CURSOR` , `SE_RESIZE_CURSOR` , `SW_RESIZE_CURSOR` , `TEXT_CURSOR` , `W_RESIZE_CURSOR` , `WAIT_CURSOR`

### Fields inherited from class java.awt.Component

`BOTTOM_ALIGNMENT` , `CENTER_ALIGNMENT` , `LEFT_ALIGNMENT` , `RIGHT_ALIGNMENT` , `TOP_ALIGNMENT`

### Fields inherited from interface java.awt.image.ImageObserver

`ABORT` , `ALLBITS` , `ERROR` , `FRAMEBITS` , `HEIGHT` , `PROPERTIES` , `SOMEBITS` , `WIDTH`

### Fields inherited from interface javax.swing.WindowConstants

`DISPOSE_ON_CLOSE` , `DO_NOTHING_ON_CLOSE` , `EXIT_ON_CLOSE` , `HIDE_ON_CLOSE`

## Constructor Summary

### Constructors

Constructor	Description
<code>TelaUsuarioLogadoUI()</code>	Construtor da classe TelaUsuarioLogadoUI
<code>TelaUsuarioLogadoUI(Jogo jogoAtual)</code>	Construtor da classe TelaUsuarioLogadoUI

## Method Summary

All Methods      Static Methods      Concrete Methods

Modifier and Type	Method	Description
static void	<code>main(String [] args)</code>	Esse método será responsável por chamar a tela.

### Methods inherited from class javax.swing.JFrame

`addImpl` , `createRootPane` , `frameInit` , `getAccessibleContext` , `getContentPane` , `getDefaultCloseOperation` , `getGlassPane` , `getGraphics` , `getJMenuBar` ,

getLayeredPane , getRootPane , getTransferHandler , isDefaultLookAndFeelDecorated , isRootPaneCheckingEnabled , paramString , processWindowEvent , remove , repaint , setContentPane , setDefaultCloseOperation , setDefaultLookAndFeelDecorated , setGlassPane , setIconImage , setJMenuBar , setLayeredPane , setLayout , setRootPane , setRootPaneCheckingEnabled , setTransferHandler , update

### Methods inherited from class java.awt.Frame

addNotify , getCursorType , getExtendedState , getFrames , getIconImage , getMaximizedBounds , getMenuBar , getState , getTitle , isResizable , isUndecorated , remove , removeNotify , setBackground , setCursor , setExtendedState , setMaximizedBounds , setMenuBar , setOpacity , setResizable , setShape , setState , setTitle , setUndecorated

### Methods inherited from class java.awt.Window

addPropertyChangeListener , addPropertyChangeListener , addWindowFocusListener , addWindowListener , addWindowStateListener , applyResourceBundle , applyResourceBundle , createBufferStrategy , createBufferStrategy , dispose , getBackground , getBufferStrategy , getFocusableWindowState , getFocusCycleRootAncestor , getFocusOwner , getFocusTraversalKeys , getIconImages , getInputContext , getListeners , getLocale , getModalExclusionType , getMostRecentFocusOwner , getOpacity , getOwnedWindows , getOwner , getOwnerlessWindows , getShape , getToolkit , getType , getWarningString , getWindowFocusListeners , getWindowListeners , getWindows , getWindowStateListeners , hide , isActive , isAlwaysOnTop , isAlwaysOnTopSupported , isAutoRequestFocus , isFocusableWindow , isFocusCycleRoot , isFocused , isLocationByPlatform , isOpaque , isShowing , isValidRoot , pack , paint , postEvent , processEvent , processWindowFocusEvent , processWindowStateEvent , removeWindowFocusListener , removeWindowListener , removeWindowStateListener , reshape , setAlwaysOnTop , setAutoRequestFocus , setBounds , setBounds , setCursor , setFocusableWindowState , setFocusCycleRoot , setIconImages , setLocation , setLocation , setLocationByPlatform , setLocationRelativeTo , setMinimumSize , setModalExclusionType , setSize , setSize , setType , setVisible , show , toBack , toFront

### Methods inherited from class java.awt.Container

add , add , add , add , add , add , addContainerListener , applyComponentOrientation , areFocusTraversalKeysSet , countComponents , deliverEvent , doLayout , findComponentAt , findComponentAt , getAlignmentX , getAlignmentY , getComponent , getComponentAt , getComponentAt , getComponentCount , getComponents , getComponentZOrder , getContainerListeners , getFocusTraversalPolicy , getInsets , getLayout , getMaximumSize , getMinimumSize , getMousePosition , getPreferredSize , insets , invalidate , isAncestorOf , isFocusCycleRoot , isFocusTraversalPolicyProvider , isFocusTraversalPolicySet , layout , list , list , locate , minimumSize , paintComponents , preferredSize , print , printComponents , processContainerEvent , remove , removeAll , removeContainerListener , setComponentZOrder , setFocusTraversalKeys , setFocusTraversalPolicy , setFocusTraversalPolicyProvider , setFont , transferFocusDownCycle , validate , validateTree

### Methods inherited from class `java.awt.Component`

`action` , `add` , `addComponentListener` , `addFocusListener` ,  
`addHierarchyBoundsListener` , `addHierarchyListener` , `addInputMethodListener` ,  
`addKeyListener` , `addMouseListener` , `addMouseMotionListener` , `addMouseWheelListener` ,  
`bounds` , `checkImage` , `checkImage` , `coalesceEvents` , `contains` , `contains` ,  
`createImage` , `createImage` , `createVolatileImage` , `createVolatileImage` , `disable` ,  
`disableEvents` , `dispatchEvent` , `enable` , `enable` , `enableEvents` ,  
`enableInputMethods` , `firePropertyChange` , `firePropertyChange` , `firePropertyChange` ,  
`firePropertyChange` , `firePropertyChange` , `firePropertyChange` ,  
`firePropertyChange` , `firePropertyChange` , `firePropertyChange` , `getBaseline` ,  
`getBaselineResizeBehavior` , `getBounds` , `getBounds` , `getColorModel` ,  
`getComponentListeners` , `getComponentOrientation` , `getCursor` , `getDropTarget` ,  
`getFocusListeners` , `getFocusTraversalKeysEnabled` , `getFont` , `getFontMetrics` ,  
`getForeground` , `getGraphicsConfiguration` , `getHeight` , `getHierarchyBoundsListeners` ,  
`getHierarchyListeners` , `getIgnoreRepaint` , `getInputMethodListeners` ,  
`getInputMethodRequests` , `getKeyListeners` , `getLocation` , `getLocation` ,  
`getLocationOnScreen` , `getMouseListeners` , `getMouseMotionListeners` ,  
`getMousePosition` , `getMouseWheelListeners` , `getName` , `getParent` ,  
`getPropertyChangeListeners` , `getPropertyChangeListeners` , `getSize` , `getSize` ,  
`getTreeLock` , `getWidth` , `getX` , `getY` , `gotFocus` , `handleEvent` , `hasFocus` ,  
`imageUpdate` , `inside` , `isBackgroundSet` , `isCursorSet` , `isDisplayable` ,  
`isDoubleBuffered` , `isEnabled` , `isFocusable` , `isFocusOwner` , `isFocusTraversable` ,  
`isFontSet` , `isForegroundSet` , `isLightweight` , `isMaximumSizeSet` , `isMinimumSizeSet` ,  
`isPreferredSizeSet` , `isValid` , `isVisible` , `keyDown` , `keyUp` , `list` , `list` ,  
`list` , `location` , `lostFocus` , `mouseDown` , `mouseDrag` , `mouseEnter` , `mouseExit` ,  
`mouseMove` , `mouseUp` , `move` , `nextFocus` , `paintAll` , `prepareImage` , `prepareImage` ,  
`printAll` , `processComponentEvent` , `processFocusEvent` , `processHierarchyBoundsEvent` ,  
`processHierarchyEvent` , `processInputMethodEvent` , `processKeyEvent` ,  
`processMouseEvent` , `processMouseMotionEvent` , `processMouseWheelEvent` ,  
`removeComponentListener` , `removeFocusListener` , `removeHierarchyBoundsListener` ,  
`removeHierarchyListener` , `removeInputMethodListener` , `removeKeyListener` ,  
`removeMouseListener` , `removeMouseMotionListener` , `removeMouseWheelListener` ,  
`removePropertyChangeListener` , `removePropertyChangeListener` , `repaint` , `repaint` ,  
`repaint` , `requestFocus` , `requestFocus` , `requestFocus` , `requestFocus` ,  
`requestFocusInWindow` , `requestFocusInWindow` , `requestFocusInWindow` , `resize` ,  
`resize` , `revalidate` , `setComponentOrientation` , `setDropTarget` , `setEnabled` ,  
`setFocusable` , `setFocusTraversalKeysEnabled` , `setForeground` , `setIgnoreRepaint` ,  
`setLocale` , `setMaximumSize` , `setMixingCutoutShape` , `setName` , `setPreferredSize` ,  
`show` , `size` , `toString` , `transferFocus` , `transferFocusBackward` ,  
`transferFocusUpCycle`

### Methods inherited from class `java.lang.Object`

`clone` , `equals` , `finalize` , `getClass` , `hashCode` , `notify` , `notifyAll` , `wait` ,  
`wait` , `wait`

### Methods inherited from interface `java.awt.MenuContainer`

`getFont` , `postEvent`



## Constructor Details

### TelaUsuarioLogadoUI

```
public TelaUsuarioLogadoUI()
```

Construtor da classe TelaUsuarioLogadoUI

### TelaUsuarioLogadoUI

```
public TelaUsuarioLogadoUI(Jogo jogoAtual)
```

Construtor da classe TelaUsuarioLogadoUI

## Method Details

### main

```
public static void main(String [] args)
```

Esse método será responsável por chamar a tela.

**Parameters:**

args - the command line arguments