**MODEL**

**Jogo.php**

**Package**

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| **Name** | **Description** | **Restriction** | **Type** |
| *model* | The model consists of application data, business rules, logic and functions. A model notifies its associated view/views and controllers when there has been a change in its state. This notification allows views to update their presentation and the controllers to change the available set of commands. | There should be a one-to-one correspondence between the model and its parts on the one hand, and the represented world as perceived by the owner of the model on the other hand. | Package |

**Class**

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| **Name** | **Description** | **Restriction** | **Type** |
| *Jogo* | This class contains the attributes, accessor methods and constructors of the game. The game must contains *idJogo*, *espectadores*, *cidade*, *localizacao*, *data*, *hora*, *duracao* and *total7Metros*. | - | Class |

**Variables**

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| **Name** | **Description** | **Restriction** | **Type** |
| *idJogo* | This variable represents the register number of the game in the database. | The *idJogo* just can contain positive numbers. | Integer |
| *espectadores* | This variable represents the number of spectators in the game. | The number of spectators just can contain positive numbers. | Integer |
| *cidade* | This variable represents the name of the city where will happen or is happening the game. | The name of the city cannot contain special characters or numbers. | String |
| *localizacao* | This variable represents the name of the location (the name of the gymnasium, for example) where will happen or is happening the game. | The name of the location cannot contain special characters or numbers. | String |
| *data* | This variable represents the date of the game. | The date of the game just can contain positive numbers and has to be in the format: DD/MM/YYYY. | Date |
| *hora* | This variable represents the hour of the game. | The hour of the game just can contain positive numbers and has to be in the format 24 hours. | Integer |
| *duracao* | This variable represents the duration of the game. | The duration just can contain positive numbers and is the time in minutes. | Double |
| *total7Metros* | This variable represents the number of the maximum penalty occurred in the game, called 7 meters. | The number of the maximum penalty just can contain positive numbers. | Integer |

**Functions**

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| **Name** | **Description** | **Restriction** | **Type** |
| *\_\_construct()* | Default construct declaration. Using constructor methods is appropriate for any initialization that the object may need before being used. | - | Public Function |
| *\_\_constructOverload($idJogo, $espectadores, $cidade, $localizacao, $data, $hora, $duracao, $total7Metros)* | Overload construct. | - | Public Function |
| *\_\_getIdJogo()* | Method to verify the attribute *idJogo* of the class. | - | Public Function |
| *\_\_setIdJogo($idJogo)* | Method to modify the attribute *idJogo* of the class. | - | Public Function |
| *\_\_getEspectadores()* | Method to verify the attribute *espectadores* of the class. | - | Public Function |
| *\_\_setEspectadores*  *($espectadores)* | Method to modify the attribute *espectadores* of the class. | - | Public Function |
| *\_\_getCidade()* | Method to verify the attribute *cidade* of the class. | - | Public Function |
| *\_\_setCidade($cidade)* | Method to modify the attribute *cidade* of the class. | - | Public Function |
| *\_\_getLocalizacao ()* | Method to verify the attribute *localizacao* of the class. | - | Public Function |
| *\_\_setLocalizacao($localizacao)* | Method to modify the attribute *localizacao* of the class. | - | Public Function |
| *\_\_getData()* | Method to verify the attribute *data* of the class. | - | Public Function |
| *\_\_setData($data)* | Method to modify the attribute *data* of the class. | - | Public Function |
| *\_\_getHora()* | Method to verify the attribute *hora* of the class. | - | Public Function |
| *\_\_setHora($hora)* | Method to modify the attribute *hora* of the class. | - | Public Function |
| *\_\_getDuracao()* | Method to verify the attribute *duracao* of the class. | - | Public Function |
| *\_\_setDuracao($duracao)* | Method to modify the attribute *duracao* of the class. | - | Public Function |
| *\_\_getTotal7Metros()* | Method to verify the attribute *total7Metros* of the class. | - | Public Function |
| *\_\_setTotal7Metros*  *($total7Metros)* | Method to modify the attribute *total7Metros* of the class. | - | Public Function |