**MODEL**

**Tempo.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** |
| *Tempo* | This class contains the attributes, accessor methods and constructors of the time, time spends in a game. The time must contains *idTempo*, *idJogo*, *tipo*, *advertencia*, *punicao*, *desqualificacao*, *relatorio*, *tiro7Metros*, *tempoTecnico*, *placarTime1* and *placarTime2*. | - | Class |

**Variables**

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| **Name** | **Description** | **Restriction** | **Type** |
| *idTempo* | This variable represents the register number of the game time in the database. | The *idTempo* just can contain positive numbers. | Integer |
| *idJogo* | This variable represents the register number of the game in the database. | The *idJogo* just can contain positive numbers. | Integer |
| *tipo* | This variable represents the kind of game that are running in the moment. It can be the first period, the second period or the prorogation. | The kind of game that are running in the moment just can be the number 0, 1 and 2. O for prorogation, 1 for the first period and 2 for the second period. | Integer |
| *advertencia* | This variable represents the number of warnings that were given to the players in a game. | The number of warnings just can contain positive numbers. | Integer |
| *punicao* | This variable represents the number of punishments that were given to the players in a game. | The number of punishments just can contain positive numbers. | Integer |
| *desqualificacao* | This variable represents the number of disqualifications (expulsions) earned by a player in the game. | The number of disqualification just can contain positive numbers. | Integer |
| *relatorio* | This variable represents the number of reports generated in a game. A report is generated when there is an expulsion for serious reasons, which should be better analyzed later. | The number of reports just can contain positive numbers. | Integer |
| *Tiro7Metros* | 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 |
| *tempoTecnico* | This variable represents the amount of times that the coach time was required. | The amount of time solicited by the coach just can contain positive numbers and just 3 times per game. | Integer |
| *placarTime1* | This variable represents the number at the scoreboard (the number of goals) of the home team. | The number at the scoreboard just can contain positive numbers. | Integer |
| *placarTime2* | This variable represents the number at the scoreboard (the number of goals) of the invited team. | The number at the scoreboard 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($idTempo, $idJogo, $tipo, $tiro7Metros, $tempoTecnico, $placarTime1, $placarTime2)* | Overload construct. | - | Public Function |
| *\_\_getIdTempo()* | Method to verify the attribute *idTempo* of the class. | - | Public Function |
| *\_\_setIdTempo($idTempo)* | Method to modify the attribute *idTempo* of the class. | - | Public Function |
| *\_\_getIdJogo()* | Method to verify the attribute *idJogo* of the class. | - | Public Function |
| *\_\_setIdJogo($idJogo)* | Method to modify the attribute *idJogo* of the class. | - | Public Function |
| *\_\_getTipo()* | Method to verify the attribute *tipo* of the class. | - | Public Function |
| *\_\_setTipo($tipo)* | Method to modify the attribute *tipo* of the class. | - | Public Function |
| *\_\_getAdvertencia()* | Method to verify the attribute *advertencia* of the class. | - | Public Function |
| *\_\_setAdvertencia($advertencia)* | Method to modify the attribute *advertencia* of the class. | - | Public Function |
| *\_\_getPunicao()* | Method to verify the attribute *punicao* of the class. | - | Public Function |
| *\_\_setPunicao($punicao)* | Method to modify the attribute *punicao* of the class. | - | Public Function |
| *\_\_getDesqualificacao()* | Method to verify the attribute *desqualificacao* of the class. | - | Public Function |
| *\_\_setDesqualificacao*  *($desqualificacao)* | Method to modify the attribute *desqualificacao* of the class. | - | Public Function |
| *\_\_getRelatorios()* | Method to verify the attribute *relatorios* of the class. | - | Public Function |
| *\_\_setRelatorios($relatorios)* | Method to modify the attribute *relatorios* of the class. | - | Public Function |
| *\_\_getTiro7Metros()* | Method to verify the attribute *tiro7Metros* of the class. | - | Public Function |
| *\_\_setTiro7Metros($tiro7Metros)* | Method to modify the attribute *tiro7Metros* of the class. | - | Public Function |
| *\_\_getTempoTecnico()* | Method to verify the attribute *tempoTecnico* of the class. | - | Public Function |
| *\_\_setTempoTecnico*  *($tempoTecnico)* | Method to modify the attribute *tempoTecnico* of the class. | - | Public Function |
| *\_\_getPlacarTime1()* | Method to verify the attribute *placarTime1* of the class. | - | Public Function |
| *\_\_setPlacarTime1*  *($placarTime1)* | Method to modify the attribute *placarTime1* of the class. | - | Public Function |
| *\_\_getPlacarTime2()* | Method to verify the attribute *placarTime2* of the class. | - | Public Function |
| *\_\_setPlacarTime2*  *($placarTime2)* | Method to modify the attribute *placarTime2* of the class. | - | Public Function |