

**Package** fr.rphstudio.codingdojo.game.functions.checkpoints

## Interface GenericCheckpointFunctions

public interface **GenericCheckpointFunctions**



CHECKPOINTS (all).

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### Method Summary

**All Methods**   **Instance Methods**   **Abstract Methods**

Modifier and Type	Method	Description
float	<a href="#">getCheckpointPositionX</a> (int checkPointIndex)	Gets the X-axis position of a specific checkpoint.
float	<a href="#">getCheckpointPositionY</a> (int checkPointIndex)	Gets the Y-axis position of a specific checkpoint.
boolean	<a href="#">isCheckpointCharging</a> (int checkPointIndex)	Gets information about the charging ability of a specific checkpoint.

### Method Detail

#### getCheckpointPositionX

```
float getCheckpointPositionX(int checkPointIndex)
```

Gets the X-axis position of a specific checkpoint. The index of the specific checkpoint is given in parameter. This function is useable with any code level.

**Parameters:**

checkPointIndex - integer value for the checkpoint index (from 0 to N-1 (both included), with N the number of checkpoints returned by `MainFunctions.getNbRaceCheckPoints()`).

**Returns:**

a floating value for X-axis position of the requested checkpoint.

#### getCheckpointPositionY

```
float getCheckpointPositionY(int checkPointIndex)
```

Gets the Y-axis position of a specific checkpoint. The index of the specific checkpoint is given in parameter. This function is useable with any code level.

**Parameters:**

checkpointIndex - integer value for the checkpoint index (from 0 to N-1 (both included), with N the number of checkpoints returned by `MainFunctions.getNbRaceCheckPoints()`).

**Returns:**

a floating value for Y-axis position of the requested checkpoint.

**isCheckpointCharging**

```
boolean isCheckpointCharging(int checkpointIndex)
```

Gets information about the charging ability of a specific checkpoint. The index of the specific checkpoint is given in parameter. This function is useable with any code level.

**Parameters:**

checkpointIndex - integer value for the checkpoint index (from 0 to N-1 (both included), with N the number of checkpoints returned by `MainFunctions.getNbRaceCheckPoints()`).

**Returns:**

a boolean value to indicate if the requested checkpoint is a charge area (true) or not (false).