

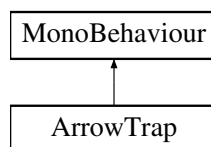
Chapter 3

Class Documentation

3.1 ArrowTrap Class Reference

An class for arrowtrap trap

Inheritance diagram for ArrowTrap:



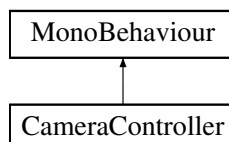
3.1.1 Detailed Description

An class for arrowtrap trap

3.2 CameraController Class Reference

A class representing controller of camera

Inheritance diagram for CameraController:



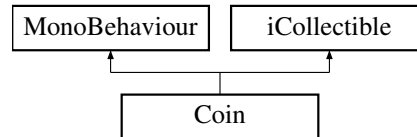
3.2.1 Detailed Description

A class representing controller of camera

3.3 Coin Class Reference

A class representing coin object

Inheritance diagram for Coin:



Public Member Functions

- void **Collect** ()
Method for collecting the coins

Events

- static Action [OnCoinCollected](#)

3.3.1 Detailed Description

A class representing coin object

3.3.2 Event Documentation

3.3.2.1 OnCoinCollected

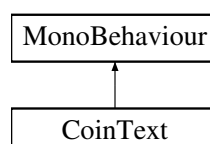
Action Coin.OnCoinCollected [static]

Event in case of collision with coin

3.4 CoinText Class Reference

A class for representing ammount of collected coins

Inheritance diagram for CoinText:



Public Member Functions

- void **IncrementCoinCount** ()
Method for chaning number of coins

Public Attributes

- TextMeshProUGUI [coinText](#)

3.4.1 Detailed Description

A class for representing ammount of collected coins

3.4.2 Member Data Documentation

3.4.2.1 coinText

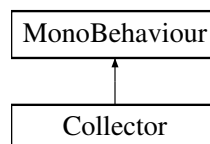
`TextMeshProUGUI CoinText.coinText`

gui of coin object

3.5 Collector Class Reference

A class representing collecting an object

Inheritance diagram for Collector:



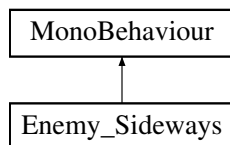
3.5.1 Detailed Description

A class representing collecting an object

3.6 Enemy_Sideways Class Reference

A Enemy Sideways class

Inheritance diagram for Enemy_Sideways:



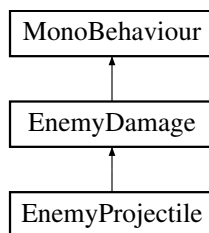
3.6.1 Detailed Description

A Enemy Sideways class

3.7 EnemyDamage Class Reference

A enemy damage class

Inheritance diagram for EnemyDamage:



Protected Member Functions

- void [OnTriggerEnter2D](#) (Collider2D collision)
Method for damaging an object in case of collision

Protected Attributes

- float [damage](#)

3.7.1 Detailed Description

A enemy damage class

3.7.2 Member Function Documentation

3.7.2.1 OnTriggerEnter2D()

```
void EnemyDamage.OnTriggerEnter2D (
    Collider2D collision ) [protected]
```

Method for damaging an object in case of collision

Parameters

<i>collision</i>	Collider2D object representing collision
------------------	--

3.7.3 Member Data Documentation

3.7.3.1 damage

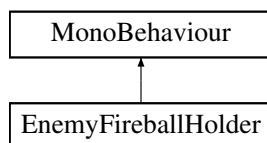
```
float EnemyDamage.damage [protected]
```

Damage of an enemy

3.8 EnemyFireballHolder Class Reference

A class for holding fireballs objects

Inheritance diagram for EnemyFireballHolder:



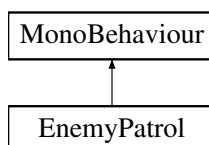
3.8.1 Detailed Description

A class for holding fireballs objects

3.9 EnemyPatrol Class Reference

A class representing enemy patrol behavior

Inheritance diagram for EnemyPatrol:



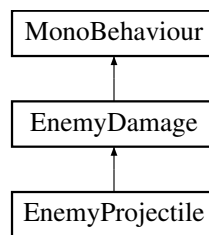
3.9.1 Detailed Description

A class representing enemy patrol behavior

3.10 EnemyProjectile Class Reference

A class representing enemy projectiles

Inheritance diagram for EnemyProjectile:



Public Member Functions

- void **ActivateProjectile** ()
Method for activating projectile

Additional Inherited Members

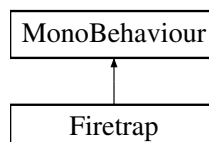
3.10.1 Detailed Description

A class representing enemy projectiles

3.11 Firetrap Class Reference

A class for FireTraps traps

Inheritance diagram for Firetrap:



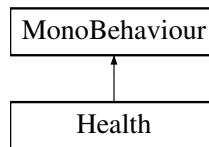
3.11.1 Detailed Description

A class for FireTraps traps

3.12 Health Class Reference

A class representing health system

Inheritance diagram for Health:



Public Member Functions

- void **TakeDamage** (float _damage)
Method represents taking damage
- void **AddHealth** (float _value)
Method for adding health (in case of collecting hearths)
- void **Respawn** ()
Method for respawning

Properties

- float **currentHealth** [get]

3.12.1 Detailed Description

A class representing health system

3.12.2 Property Documentation

3.12.2.1 currentHealth

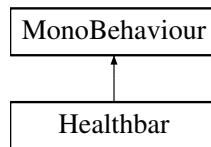
```
float Health.currentHealth [get]
```

Current health

3.13 Healthbar Class Reference

A class representing healthbar

Inheritance diagram for Healthbar:



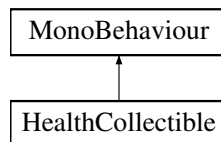
3.13.1 Detailed Description

A class representing healthbar

3.14 HealthCollectible Class Reference

A class for collectible health objects "hearts" in game

Inheritance diagram for HealthCollectible:



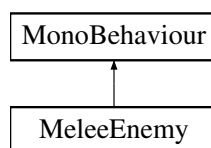
3.14.1 Detailed Description

A class for collectible health objects "hearts" in game

3.15 MeleeEnemy Class Reference

A class representing melee enemy.

Inheritance diagram for MeleeEnemy:



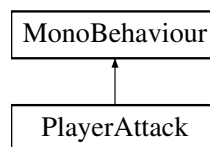
3.15.1 Detailed Description

A class representing melee enemy.

3.16 PlayerAttack Class Reference

A class representing player attack

Inheritance diagram for PlayerAttack:



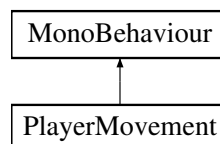
3.16.1 Detailed Description

A class representing player attack

3.17 PlayerMovement Class Reference

A class for player movements

Inheritance diagram for PlayerMovement:



Public Member Functions

- bool [canAttack](#) ()
Method for checks if player can attack

3.17.1 Detailed Description

A class for player movements

3.17.2 Member Function Documentation

3.17.2.1 canAttack()

```
bool PlayerMovement.canAttack ( )
```

Method for checks if player can attack

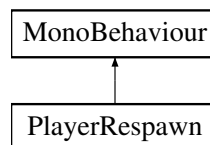
Returns

false if player is in situation that he can't attack

3.18 PlayerRespawn Class Reference

A class representing player respawn

Inheritance diagram for PlayerRespawn:



Public Member Functions

- void **Respawn** ()
Method for respawning

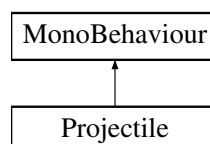
3.18.1 Detailed Description

A class representing player respawn

3.19 Projectile Class Reference

A class for projectiles

Inheritance diagram for Projectile:



Public Member Functions

- void **SetDirection** (float _direction)
Method for seting direction of projectile

3.19.1 Detailed Description

A class for projectiles

3.19.2 Member Function Documentation

3.19.2.1 SetDirection()

```
void Projectile.SetDirection (
    float _direction )
```

Method for seting direction of projectile

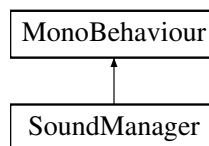
Parameters

<code>_direction</code>	Given direction
-------------------------	-----------------

3.20 SoundManager Class Reference

A class manages sound in game

Inheritance diagram for SoundManager:



Public Member Functions

- void [PlaySound](#) (AudioClip _sound)
Method for playing sound

Properties

- static [SoundManager instance](#) [get]

3.20.1 Detailed Description

A class manages sound in game

3.20.2 Member Function Documentation

3.20.2.1 PlaySound()

```
void SoundManager.PlaySound (
    AudioClip _sound )
```

Method for playing sound

Parameters

<i>_sound</i>	Given sound
---------------	-------------