



Player

entityType::PLAYER

```
Animation    idlefire, runfire,
jumpfire, deadfire, hitfire;
Animation    idleice, runice,
jumpice, deadice, hitice;
Animation    godmode_anim;
int          jump_speed, hit_speed;
fPoint lastPosition;
GODMOVE current_godmove;
STATE current_state;
ELEMENT current_element;
bool godmode;
bool visibility;
```

```
bool Awake(pugi::xml_node&
config);
bool Start(uint i);
bool PreUpdate();
bool Update(float dt);
bool PostUpdate();
bool Cleanup();
bool Load(pugi::xml_node&);
bool Save(pugi::xml_node&) const;
```

```
fPoint GetPosition() const;
void SetPosition(const float
&x, const float &y);
void OnCollision(Collider*
collider1);
void AddColliderPlayer();
void Restart(ELEMENT element);
bool isDead();
void AddFX(const int channel,
const int repeat) const;
bool LoadAnimation(pugi::xml_node
&node, Animation &anim);
```

JrGargoyle

entityType::FLYING_ENEMY

```
SDL_Texture* gargoyle_tex;
p2SString gargoyle_texture;
Animation* current_animation;
Animation idle;
Animation fly;
Animation dead;
```

```
bool Awake(pugi::xml_node &
config);
bool Start(uint i);
bool Restart(uint i);
bool PreUpdate();
bool Update(float dt);
bool PostUpdate();
void OnCollision(Collider*
collider1);
void Fly(const p2DynArray<iPoint>
*path);
```

```
bool Load(pugi::xml_node&);
bool Save(pugi::xml_node&) const;
```

```
bool LoadAnimation(pugi::xml_node
&node, Animation &anim);
```

```
bool Cleanup();
```

OfficerSkeleton

entityType::LAND_ENEMY

```
SDL_Texture * skeleton_tex;
p2SString skeleton_texture;
Animation* current_animation;
Animation idle;
Animation walk;
Animation dead;
```

```
Bool Awake(pugi::xml_node &
config);
bool Start(uint i);
bool Restart(uint i);
bool PreUpdate();
bool Update(float dt);
bool PostUpdate();
void OnCollision(Collider*
collider1);
void Walk(const p2DynArray<iPoint>
*path);
```

```
bool Load(pugi::xml_node&);
bool Save(pugi::xml_node&) const;
```

```
bool LoadAnimation(pugi::xml_node
&node, Animation &anim);
```

```
bool Cleanup();
```

Assumptions: Not all variables in player are included, only the most importants. Fx are not necessary no include it for example.