

Entity enum entity state enum entity type entity state state entity\_type type iPoint position fPoint virtualPosition int pos\_relCam fPoint velocity bool colliding (bottom, left, right, up) SDL Texture\* graphics Animation\* animation Collider\* collider float speed: float jump force; bool flying p2DynArray<iPoint>entityPath Entity(const char\* name) bool Entity\_Update(float dt) void Entity\_OnCollision(Collider\* c1, Collider\* c2)
Animation\* LoadAnimation(const char\* animationPath, const char\* animationName) void LoadLogic(const char\* animationPath) void setAnimation() bool calculate Path() virtual void standardPath() virtual void followPath()

## Player Animation jump\_cloud bool double\_jump bool won bool Start() bool Update(float dt) bool PostUpdate() bool CleanUp() void OnCollision(Collider\* c1, Collider\* c2) bool Load(pugi::xml\_node&) bool Save(pugi::xml\_node&) const

we are going to use are there, only the relevants ones to understand how the

game entities are done.

## bool Awake(pugi::xml\_node&) bool Start() bool Update(float dt) bool PostUpdate() bool CleanUp() void OnCollision(Collider\* c1, Collider\* c2) bool Load(pugi::xml\_node&) bool Save(pugi::xml\_node&) const void standardPath() void followPath()

Bat

bool Awake(pugi::xml\_node&)
bool Start()
bool Update(float dt)
bool PostUpdate()
bool CleanUp()
void OnCollision(Collider\* c1, Collider\* c2)
bool Load(pugi::xml\_node&)
bool Save(pugi::xml\_node&) const
void standardPath()
void followPath()

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