GAME: SHEN

posol keyup = true; SOL_Texture* graphics = nullptr; //STATES DOEN'T WORK INSIDE PLAYERINGO. SO THATS WHY ITS IN HERE

states state:

```
0...1
                                                                                                                                    0...N
                      J1EntityManager:
                                                                                                                                   J1Entity:
                                                                                                                                               class Types
                        j1EntityManager();
                        ~j1EntityManager();
                                                                                                                                             PLAYER,
                        bool Awake(pugi::xml_node& config);
                                                                                                                                              SKELETON,
                        bool Start();
                                                                                                                                             FLYING_ENEMY,
                        bool PreUpdate();
                                                                                                                                              NULL_ENTITY
                        bool Update(float dt);
                        bool PostUpdate();
                        bool CleanUp();
                                                                                                                                        Types entity_type;
                        jlEntity* Get Player();
                                                                                                                                        j1Entity(Types type);
                                                                                                                                         virtual ~j1Entity();
                        bool Load(pugi::xml_node&);
                                                                                                                                        bool Load(pugi::xml_node& data);
                        bool Save(pugi::xml_node&) const;
                                                                                                                                        bool Save(pugi::xml_node& data) const;
                                                                                                                                        virtual void Pushbacks();
                        jlEntity* Summon_Entity(jlEntity::Types type, iPoint pos);
                                                                                                                                        virtual void OnCollision(Collider* c1, Collider* c2);
                        void Destroy_Entity(j1Entity* entity);
                                                                                                                                        virtual void GetPosition();
                        void Destroy Entities();
                                                                                                                                         iPoint
                                                                                                                                                               position;
                        pugi::xml_node node;
                                                                                                                                                               SpawnPointX, SpawnPointY;
                        p2List<j1Entity*> entities;
                                                                                                                                         SDL_Texture* Character_tex = nullptr;
                                                                                                                                                             Looking_Forward = true;
                                                                                                                                                              Can_input = true;
                                                                                                                                                               Alive = true;
                                                                                                                                                              Grounded = true;
                                                                                                                                        bool.
                                                                                                                                                              Following_Player = false;
                      0..N
                                                                                                                                        const p2DynArray<iPoint>* path = nullptr;
j1Player
                                                                                                                                        p2SString
                                                                                                                                                              entity_name;
                             RELD MAX VELLS
Spawn_X;
Spawn_Y;
World_Gravity;
Speed_X;
Speed_X;
Speed_Y;
Dash_Speed;
Reducction_Speed;
                                                                             0... N
                                                                                                                                                         0...N
                                                                              j1Skeleton
                                                                                                                                                         j1Flying_Enemy
                             Looking_Forward = Can_Input = true;
Alive = true;
Dash = false;
Grounded = true;
God_Mode = false;
                                                                                                                                                            ool pathfinding();
oid Flying_Enemy_State(Flying_Enemy_States state);
                                                                                 bool pathfinding_ground();
                                                                                                    position;
                                                                                                                                                            oid Flying_Enemy_Position();
                                                                                SDL_Texture*
                                                                                                    skeletonTex = nullptr;
     Uint32
int
bool
                       dash_timer;
dashTime;
dashTimer = false;
                                                                                                    Looking_Forward = true;
                                                                                bool.
                                                                                                                                                                             position;
                                                                                                    Alive = true;
                                                                                                                                                                             Flying_Enemy_Tex = nullptr;
                                                                                                    Grounded = true;
                                                                                                                                                                             Looking_Forward = true;
Alive = true;
Grounded = true;
                                                                                                    Near_Player = false;
                                                                                hoo1
                       attack_timer;
attacking = false;
attackTime;
attackTimer = false;
                                                                                                                                                           Animation*
                                                                                                                                                                             current_animation = nullptr;
                                                                                Animation*
                                                                                                    current_animation = nullptr;
                       death_timer;
deathTime;
deathTimer = false;
                                                                                                                                                           Animation
                                                                                                                                                                             walking;
                                                                                                    walking;
                                                                                Animation
                                                                                                                                                           Animation
                                                                                                                                                                             walking2;
                                                                                Animation
                                                                                                    walking2;
                                                                                                                                                                             death;
                                                                                 Animation
                                                                                                     death;
      //PLAYER GOD-MODE
bool GodMode = false;
bool GodModeForward = false;
bool GodModeBackward = false;
bool GodModeUp = false;
bool GodModeUp = false;
                                                                                                                                                           Animation
                                                                                                                                                                             death2;
                                                                                Animation
                                                                                                    death2;
                                                                                                                                                           //SPEED
float
                                                                                                                                                                             SpeedX = 1;
                                                                                                                                                                             SpeedY = 1;
                                                                                                    SpeedX = 1;
                                                                                                                                                                            gravity;
     Collider * playerhead = nullptr;
Collider * playerbody = nullptr;
Collider * playerfeet = nullptr;
Collider * playerattack = nullptr;
                                                                                                    SpeedY = 1;
                                                                                                                                                           fPoint
                                                                                                                                                                             vel;
                                                                                                    gravity;
                                                                                                                                                           Collider* Flying_Enemy_Collider = nullptr;
                                                                                fPoint
                                                                                                    vel;
                                                                                                                                                            oid Pushbacks();
                                                                                                                                                           lying_Enemy_States state = FLYING_ENEMY_FORWARD;
    //PLAYER STATE MANAGER
void Player_Position();
void Player_State_Machine();
void Set_Player_State(states state);
void Restart();
                                                                                              skeletonCollider = nullptr;
                                                                                void Pushbacks();
                                                                                Skeleton_States state = SKELETON_FORWARD;
                                                                                                                                                                             folder;
                                                                                                                                                           2SString
                                                                                                                                                                             texture_path;
                                                                                                                                                           pugi::xml node node;
   p2SString folder;
pugi::xml_node node;
PlayerInfo playerinfo;
input Input;
p2SString file;
                                                                                p2SString
                                                                                                    folder;
                                                                                p2SString
                                                                                                    texture_path;
                                                                                pugi::xml_node node;
```