Assumptions: Player dies when he touches a harpy or a skeleton. Enemies can be killed by one hit from the sword of the player. We have an enumeration with all entity types. The hook can only hit walls. Entity **Entity Manager** ENTITY_TYPES type p2List<j1Entity*> entities fPoint position fPoint initialPosition Game il Entity* CreateEntity(ENTITY_TYPES type) float speed void DestroyEntites() Animation* animation void AddEnemy(int x, int y, ENTITY_TYPES type) Collider* collider void CreatePlayer() SDL_Texture* sprites void SpawnEnemy() void OnCollision(Collider* c1, Collider* c2) void Update(float dt, bool do_logic) void Draw(SDL_Rect r, bool flip, int x, int y) virtual void CleanUp() void Start() Δ **Player** Hook uint currentJumps int objectivePosition iPoint playerSize iPoint hookSize **Animations** bool thrown State bools **Animations Audios Audios** void OnCollision() void OnCollision() void Update() void Update() void Draw() void Draw() void LoadPlayerProperties() void LoadHookProperties() Skeleton Harpy Movement direction Movement direction p2DynArray<iPoint>* path p2DynArray<iPoint>* path bool path_created bool path_created **Animations Animations** iPoint colliderSize iPoint colliderSize void OnCollision() void OnCollision() void Update() void Update() void Draw() void Draw() void LoadSkeletonProperties() void LoadHarpyProperties() void Move(p2DynArray<iPoint>& path, float dt) void Move(p2DynArray<iPoint>& path, float dt)