Entities + enum class MovementStates Game sf::Sprite* sprite = nullptr; + Game(sf::RenderWindow& Vector2 velocity = Vector2(0,0); window); - float gravity = 9.8; + ~Game(); bool moving = false; - int attacking = 0; + bool init(); + void update(float dt); - int height = -300; + void render(); - bool jumped = false; + void mouseClicked(sf::Event bool dead = false; event): # sf::Clock timer; + void keyPressed(sf::Event # sf::IntRect current_frame = sf::IntRect(0,0,50,40); event); # sf::IntRect hit_box_frame = sf::IntRect (0,0,0,0); Keys + void keyReleased(sf::Event event); sf::Texture key_texture; - sf::Sprite key_sprite; + void deathCheck(); + void initialiseSprite(sf::Texture &Texture); + void menuInit(); bool active = true; + void winScreen(); + void initialiseAnimation(); + void lossScreen(): + bool isJumped() const; + const sf::Sprite& + void endGameOptions(); + void setJumped(bool jumped); getKeySprite() const; + void gameBackgroundInit(): + sf::Sprite* getSprite() const; + bool isActive() const; + void cameralnit(); + float getGravity() const; + void setActive(bool active) + void livesInit(); + const Vector2& getVelocity() const; + void keysInit(int i); + void keysInit(); + void setVelocity(const Vector2& velocity); + void audioInit(); + bool isMoving() const; collection(sf::RectangleShap + void audioController(); + void setMoving(bool moving); hit_box); + void Reset(); + const sf::Clock& getTimer() const; + void jumpScareInit(): + int getHeight() const; + void jumpScare(); Vector 2 + int isAttacking() const; + void setAttacking(int attacking); + Vector2(float x1, float x2) - sf::RenderWindow& window: + void setCurrentFrameLeft(int left); + float x = 0; - enum class GameState + bool isDead() const; + float y = 0; + void setDead(bool dead) MENU = 0, DEATH = 1, **Player** WIN = 2, Monster LEVEL = 3, - sf::Texture player texture; JUMP_SCARE = 4, sf::Texture monster_texture; - sf::String player_texture_file = - sf::String monster_texture_file = "Data/Images/Player/adventurer-- GameState Active "Data/Images/Enemy/Assets.png"; v1.5-Sheet.png"; {GameState::MENU}; - MovementStates move_state - MovementStates move_state - Player player; {MovementStates::IDLE}: {MovementStates::IDLE}; - Monster monster1; - sf::RectangleShape monster_hit_box; - sf::RectangleShape player_hit_box; - Monster monster2; - sf::CircleShape attack one hit box; - Monster monster3; - sf::IntRect ground_check_frame; - Monster monster4: + const sf::RectangleShape& - sf::RectangleShape ground check; - Monster monster5; getMonsterHitBox() const; - Monster monster6; + MovementStates getMoveState() + MovementStates getMoveState() - Monster monster7; const: - Monster monster8; const: + void setMoveState(MovementStates - Monster monsters[8] = + void moveState); setMoveState(MovementStates {monster1, monster2, + void monsterMap1Init(int i); monster3, monster4, moveState); + void updateMonsterAnimation(int + const sf::RectangleShape& monster5, monster6, player_pos); getPlayerHitBox() const; monster7,monster8}; + void monsterHitBox(); + const sf::CircleShape& - Map map1; - Exit exit1; getAttackOneHitBox() const; + const sf::RectangleShape& - Keys key1; getGroundCheck() const; - Keys key2; + void playerInit(); - Keys key3; + void updatePlayerAnimations(); - Keys keys[3] = {key1, key2, + void playerHitBox(); key3}; + void groundCheck(); - int keys_collected = 0; - int lives = 3; + void attackHitBox(); - bool other = false; - bool reset = false; - bool second_jump; - sf::Clock buffer; - sf::Clock jumpscare; - sf::Text menu text; - sf::Text controls; - sf::Text win text; - sf::Text loss_text; - sf::Text reset option: - sf::Text quit_option; - sf::Text lives max; - sf::Text current_life; sf::Text keys_max; - sf::Text current kevs: - sf::Font open_sans; - sf::SoundBuffer menu; - sf::Sound menu song; - sf::SoundBuffer level one; - sf::Sound level one song; st::SoundBuffer hollow: sf::Sound hollow_song; - sf::SoundBuffer jumpscare_buffer; - sf::Sound jumpscare sound; - sf::Texture background 0; sf::Sprite bg_sprite_0; - sf::Texture background 1; - sf::Sprite bg_sprite_1; - sf::Texture background 2; sf::Sprite bg_sprite_2; - sf::Texture jump scare text; - sf::Sprite jump scare sprite; - sf::View FollowCamera; - sf::View StaticCamera;

Map

- sf::Texture map1_texture;
- sf::Sprite map1_sprite;
- sf::RectangleShape hit_blocks_1;
- sf::RectangleShape hit_blocks_2;
- sf::RectangleShape hit_blocks_3;
- sf::RectangleShape hit_blocks_4;
- sf::RectangleShape hit_blocks_5;
- sf::RectangleShape hit_blocks_6;
- sf::RectangleShape hit_blocks_7; - sf::RectangleShape hit_blocks_8;
- sf::RectangleShape hit_blocks_9;
- sf::RectangleShape hit_blocks_10;
- sf::RectangleShape hit blocks 11;
- sf::RectangleShape hit_blocks_12;
- std::vector<sf::RectangleShape> hit_blocks_bundle;

const sf::Sprite& getMap1Sprite() const; void mapInit();

bool collisions(const

sf::RectangleShape& hit_box, Vector2 velocity);

Exit

- sf::Texture exit texture;
- sf::Sprite exit_sprite;
- + const sf::Sprite& getExitSprite() const; void exitInit();