Game - font : sf::Font - tittle display : sf::Sprite - tittle_display_texture : sf::Texture - spritesheet_rect : sf::IntRect - animation timer : sf::Clock - animation_back : bool - enter text : sf::Text - background : sf::Sprite - background_texture : sf::Texture - mode selection text : sf::Text - one_player_button : sf::Sprite - one player button texture : sf::Texture - two_player_button : sf::Sprite - two_player_button_texture : sf::Texture - mode_selected : bool - paddle : Paddle - ball : Ball - pause : bool - pause_option_selected : bool - game_finished : bool - random num : int - score_blue : int - scoreboard blue : sf::Text - score red : int - scoreboard_red : sf::Text - pause_text : sf::Text - exit button : sf::Sprite - exit_button_texture : sf::Texture - resume button : sf::Sprite - resume button texture : sf::Texture - grey_overlay : sf::Sprite - grey_overlay_texture : sf::Texture - winner_text : sf::Text - wall[8] : sf::Sprite - wall_blue_texture : sf::Texture - wall red texture : sf::Texture - init(): bool - update(in dt : float) - render() - mouseClicked(in event : sf::Event) - keyPressed(in event : sf::Event) - playAnimation() - checkScore(in score : int) - collision(in sprite : sf::Sprite, in ball_x : float, in ball_y : float) : bool - resetGame() **Paddle** - ball_texture : sf::Texture - paddle_speed : float - paddle_blue_texture : sf::Texture - paddle red texture : sf::Texture + paddle blue : sf::Sprite + paddle_red : sf::Sprite + init(): bool + moveBluePaddle(in dt : float) + moveRedPaddle (in dt : float) + moveBall(in dt : float) + botRedPaddle(in dt : float, in ball x : float, in ball y : float, in random num : int) + resetGame()

Ball

- ball speed : float

+ vectors[2] : float

+ ball x : float

+ ball y: float

+ init(): bool

+ normalise()

+ resetGame()

+ checkEdge(): int

+ ball : sf::Sprite

+ unit_vector[2] : float

