Control Paddle

Paddle moves horizontally when arrows are pressed. The paddle also rotates 45 degrees for arrow key input, in different direction for A and D Keys. The rotation will be incremental for reaching 45 degrees, 20 degrees per second. When rotation key is released, the paddle will go back to its initial position with 45 degrees/second speed. If the left or right arrow is pressed and released: The paddle should move by an offset equal to L/2 with a speed of L/second. If the button is down, it should move with the speed of 2\*L/second. If the paddle reaches the corners of the screen, it should stop and not leave the screen.