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A finished version of the pong game
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        Updated 03.05.12
//Variables
ballx = 0;
bally = 0;
player1x = 0;
player1y = 0;
player2x = 0;
player2y = 0;
player1Score = 0;
player2Score = 0;
batSpeed = 5;
ballSpeedX = 5;
ballSpeedY = 2;
//Keys to control Player 1
//Arrow up and down
player1Up = 38;
player1Down = 40;
//Keys to control Player 2
//Arrow up and arrow down on number pad
//Remember to turn off Num Lock!!
player2Up = 224;
player2Down = 225;
ballImg = loadImage("ball.jpg");
batImg = loadImage("bat.png");;
ball = toSprite(ballImg);
player1 = toSprite(batImg);
player2 = toSprite(batImg);
//This part runs your program
startRound();
while TRUE do
   player1Move();
   player2Move();
   moveBall();
   wait(20);
done;
//Starts a new round
function startRound()
   //Place the ball at the center of screen
   ballx = width() / 2;
   bally = height() / 2;
   spriteVisible(ball,TRUE);
   spriteMove(ball, ballx, bally);
   //Place the left bat at center on left side
   player1x = width() - 635;
   playerly = height() / 2;
   spriteVisible(player1,TRUE);
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spriteMove(player1, player1x, player1y);
   //Place the right bat at center on right side
   player2x = width() - 15;
   player2y = height() / 2;
   spriteVisible(player2,TRUE);
   spriteMove(player2, player2x, player2y);
   //Print the score
   println(player1Score," - ",player2Score);
endfunc;
//Move the bat for Player 1
function player1Move()
   //Check if up or down key is pressed and check if bat is outside screen
   if keyPressed(player1Up) and player1y < height()-height(player1) then</pre>
        player1y = player1y + batSpeed;
   elseif keyPressed(player1Down) and player1y > 0 then
        playerly = playerly - batSpeed;
   endif:
   spriteMove(player1, player1x, player1y);
endfunc;
//Move the bat for Player 2
function player2Move()
   //Check if up or down key is pressed and check if bat is outside screen
   if keyPressed(player2Up) and player2y < height()-height(player2) then
        player2y = player2y + batSpeed;
   elseif keyPressed(player2Down) and player2y >0then
        player2y = player2y - batSpeed;
   endif;
   spriteMove(player2, player2x, player2y);
endfunc;
//A player scores a goal
//pl - indicates which player who scored
function goal(pl)
   //Check who scored and print it out
   if pl == 1 then
        player1Score = player1Score + 1;
        cls()
        println("Player1 score!");
        wait(1000);
   else
        player2Score = player2Score + 1;
        println("Player2 score!");
        wait(1000);
   endif;
   cls();
                        //Clears the screen
   startRound();
                         //Restart round
endfunc;
//Move the ball
function moveBall()
   //Move the ball
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ballx = ballx + ballSpeedX;
  bally = bally + ballSpeedY;
   spriteMove(ball,ballx,bally);
   //If ball hits top or bottom
   if bally == height() then
        ballSpeedY = -ballSpeedY;
  elseif bally == 0 then
       ballSpeedY = -ballSpeedY;
   endif;
   //If ball hits bats
   if spriteCollision(player1,ball) or spriteCollision(player2,ball) then
        ballSpeedX = -ballSpeedX;
   endif;
   //If ball hits left end of screen player one scores a goal
   if ballx == width()-width(ball) then
        goal(1)
   endif;
   //If ball hits right end of screen player two scores a goal
   if ballx == 0 then
       goal(2)
   endif
endfunc;
```