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Rock paper scissors app from Code.org
// List of icons that can be used in the game
var icons = ["icon://fa-hand-rock-o", "icon://fa-hand-paper-o", "icon://fa-hand-scissors-o"];
// List of possible choices to play
var choices = ["Rock", "Paper", "Scissors"];
// User and computer scores, started at 0
var playerScore = 0;
var computerScore = 0;
// Button for player to play rock
onEvent("rockButton", "click", function(){
 updateScreen("Rock");
 playSound("sound://category bell/vibrant game bell ding.mp3", false);
});
// Button for player to play paper
onEvent("paperButton","click",function(){
 updateScreen("Paper");
 playSound("sound://category bell/vibrant game bell twinkle positive touch 1.mp3", false);
});
// Button for player to play scissors
onEvent("scissorsButton","click",function(){
 updateScreen("Scissors");
 playSound("sound://category bell/vibrant game correct answer 1.mp3", false);
});
// When the user clicks any of the three buttons it runs a round
// of rock paper scissors. This function determines who won the
// game and updates the screen and scores for each player.
function updateScreen(playerChoice){
 // Randomly choose the computer's choice and decide who wins
 var computerChoice = randomChoose(choices);
 var winner = decideWinner(playerChoice, computerChoice);
 // Update the screen with the correct icon for each player
 setProperty("playerOutput","image",findIcon(playerChoice));
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setProperty("computerOutput", "image", findIcon(computerChoice));
 // Update the screen with the text explaining who won.
 if(winner == "Draw"){
  setProperty("gameText","text","Draw!");
 } else if (winner == "Player") {
  setProperty("gameText","text","You win!");
  playerScore++;
  setProperty("playerScoreOutput","text",playerScore);
 } else if (winner == "Computer") {
  setProperty("gameText","text","Computer wins!");
  computerScore++;
  setProperty("computerScoreOutput","text",computerScore);
}
//Assigns an icon name that corresponds with the icon image from the icons list.
// iconName {string} - either "Rock", "Paper", or "Scissors"
// return {string} - the icon associated with the string provided
function findIcon(iconName){
  var icon = " ";
  if (iconName=="Rock") {
   icon = icons[0];
  } else if ((iconName=="Paper")) {
   icon = icons[1];
  } else {
   icon = icons[2];
  return icon;
}
// Randomly selects an item from the list provided and returns it
// list {list} - a list of items
// return {item} - a randomly chosen item from the list
function randomChoose(list){
  var randomItem = list[(randomNumber(0, list.length - 1))];
  return randomItem;
```

}

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// Decides who wins a round of rock paper scissors by taking the two
// playerChoice {string} - either "Rock", "Paper", or "Scissors", the human player's choice
// computerChoice {string} - either "Rock", "Paper", or "Scissors", the computer player's choice
// return {string} - either "Draw", "Player", or "Computer", depending on who
function decideWinner(playerChoice, computerChoice){
  var outcome = "Draw";
  if (playerChoice == "Rock") {
   if (computerChoice == "Paper") {
     outcome = "Computer";
   } else if ((computerChoice == "Scissors")) {
     outcome = "Player";
  } else if ((playerChoice == "Paper")) {
   if (computerChoice == "Rock") {
     outcome = "Player";
   } else if ((computerChoice == "Scissors")) {
     outcome = "Computer";
  } else if ((playerChoice == "Scissors")) {
   if (computerChoice == "Rock") {
     outcome = "Computer";
   } else if ((computerChoice == "Paper")) {
     outcome = "Player";
   }
  return outcome;
}
```