

Component C. Personalized Project Reference.

Procedure:

i.

```
function EndFunction(UserList) {  
    var FinalScore = 0;  
    for (var i = 0; i < Guesses.length; i++) {  
        if (UserList[i] === flagnames[i]) {  
            FinalScore = FinalScore+1;  
        }  
    }  
    setProperty(▼"label2", ▼"text", FinalScore + "/" + flagnames.length)  
    if (FinalScore == flagnames.length) {  
        setProperty(▼"label10", ▼"text", ▼"Perfect Score");  
    } else {  
        setProperty(▼"label10", ▼"text", ▼"Keep Studying");  
    }  
}
```

ii.

```
onEvent(▼ "guessbutton", ▼ "click", function() {
  console.log( flagnames[ShownImage] );
  if ( Input == flagnames[ShownImage] && ShownImage == flagnames.length - 1 ) {
    appendItem(Guesses, Input);
    setProperty(▼ "image2", ▼ "image", ▼ "https://media.istockphoto.com/id/11491919
    CorrectAnswers = CorrectAnswers + 1;
    setScreen(▼ "screen2");
    QuestionNum = ShownImage+1;
    setProperty(▼ "label7", ▼ "text", CorrectAnswers + "/" + QuestionNum );
    console.log(Guesses);
    console.log(flagnames);
    EndFunction(Guesses);
  }
```

```
} else if ( (ShownImage == flagnames.length - 1) ) {
  appendItem(Guesses, Input);
  QuestionNum = ShownImage+1;
  setScreen(▼ "screen2");
  setProperty(▼ "image2", ▼ "image", ▼ "https://media.istockphoto.com/id/11
  setProperty(▼ "label7", ▼ "text", CorrectAnswers + "/" + QuestionNum );
  console.log(Guesses);
  console.log(flagnames);
  EndFunction(Guesses);
}
```

List:

i.

| id | name | image |
|----|---|---|
| # | <input type="text" value="enter text"/> | <input type="text" value="enter text"/> |
| 1 | "Canada" | "https://upload.wikimedia.org/wikipedia/en/c/cf/Flag_of_Canada.svg.png" |
| 2 | "Brazil" | "https://upload.wikimedia.org/wikipedia/en/0/05/Flag_of_Brazil.svg.png" |
| 3 | "Japan" | "https://upload.wikimedia.org/wikipedia/en/9/9e/Flag_of_Japan.svg.png" |
| 4 | "France" | "https://upload.wikimedia.org/wikipedia/en/thumb/c/c3/Flag_of_France.svg.png" |
| 5 | "Australia" | "https://upload.wikimedia.org/wikipedia/commons/thumb/0/01/Flag_of_Australia_%28converted%29.svg.png" |
| 6 | "Ukraine" | "https://upload.wikimedia.org/wikipedia/commons/4/49/Flag_of_Ukraine.svg.png" |
| 7 | "Russia" | "https://upload.wikimedia.org/wikipedia/en/thumb/f/f3/Flag_of_Russia.svg.png" |

```

setScreen(▼ "StartScreen");
var flagnames = getColumn(▼ "Flag", ▼ "name");
var flagimages = getColumn(▼ "Flag", ▼ "image");
LoopAnimation();
var CorrectAnswers = 0;
var Input = "";
var ShownImage = -1;
var QuestionNum = flagnames.length + 1;
var Guesses = [];

```

ii.

```

function EndFunction(UserList) {
  var FinalScore = 0;
  for (var i = 0; i < Guesses.length; i++) {
    if (UserList[i] === flagnames[i]) {
      FinalScore = FinalScore + 1;
    }
  }
  setProperty(▼ "label2", ▼ "text", FinalScore + "/" + flagnames.length);
  if (FinalScore == flagnames.length) {
    setProperty(▼ "label10", ▼ "text", ▼ "Perfect Score");
  } else {
    setProperty(▼ "label10", ▼ "text", ▼ "Keep Studying");
  }
}

```

```
} else if ( Input == flagnames[ShownImage] ) {  
    addItem(Guesses, Input);  
    setProperty(▼ "label4", ▼ "text", ▼ "Correct");  
    CorrectAnswers = CorrectAnswers + 1;  
    ShowImage ( );  
}  
else if ( (ShownImage == flagnames.length - 1) )  
    addItem(Guesses, Input);
```