Plan:

Quiz about Madagascar the Movie, that eventually turns into a Computer Science Quiz.

1. Begins on the Start page with a button to lead to the next page. Music plays in the background.
2. Another beginning page (with reference to the movie)
3. First question “Who does Mort worship?”, give 4 options
4. Each option is clickable, and will lead to “correct” or “incorrect” answer screen
5. Second question “What animal tries to eat Mort?”, give 4 options
6. Each option is clickable, and will lead to “correct” or “incorrect” answer screen
7. Third question “Mort was the first lemur the main characters encountered. True/False”
8. Each option is clickable, and will lead to “correct” or “incorrect” answer screen
9. Quiz is hacked! Computer science quiz begins.
10. Fourth question “Dictionaries: a way of grouping data into key-value relationships. True/False”
11. Each option is clickable, and will lead to “correct” or “incorrect” answer screen
12. Fifth question “What is the most productive percentage that off-topic conversation should be in APCSP?”, give 4 options
13. Each option is clickable, and will lead to “correct” or “incorrect” answer screen
14. Finish screen, with score

Goals:

* Create a quiz that starts out Madagascar themed, then changes into a Computer Science quiz.
* Become more comfortable to Applab
* Display final score
* Introduction to javascript language

Successes:

* Were able to create personalized screens
* Comfortable with onEvent, console.log, and setScreen
* Were able to manually direct quiz to “correct” or “incorrect” page, when user clicked answer

Growth Opportunities:

* Was not able to make if/then functions work, and therefore had to write many lines of repeating code
* After many attempts, was not able to create final scoring function.

Learnings:

* setScreen(“x”) directs the computer to the next screen, while console.log carries out the action
* Seeing blocks makes it easier to visual the code when there are so many lines, however seeing text allows you to more

Code: <https://studio.code.org/projects/applab/jobPzrGa9MM3Zjo8yszP2kpOEaAydzsAJrpaanuIILc>

setScreen("welcometomadigascar");

playSound("https://ia902701.us.archive.org/24/items/MadagascarILikeToMoveIt/LetsMovingOsa\_64kb.mp3", false);

onEvent("next1", "click", function( ) {

console.log("next1 Clicked");

setScreen("moveit");

});

onEvent("moveitbutton", "click", function( ) {

console.log("moveitbutton Clicked");

setScreen("question1");

});

onEvent("image3", "click", function( ) {

console.log("image3 Clicked");

setScreen("correct1");

});

onEvent("image4", "click", function( ) {

console.log("image4 Clicked");

setScreen("incorrect1");

});

onEvent("image2", "click", function( ) {

console.log("image2 Clicked");

setScreen("incorrect1");

});

onEvent("image5", "click", function( ) {

console.log("image5 Clicked");

setScreen("incorrect1");

});

onEvent("next8", "click", function( ) {

console.log("next8 Clicked");

setScreen("question2");

});

onEvent("next2", "click", function( ) {

console.log("next2 Clicked");

setScreen("question2");

});

onEvent("image6", "click", function( ) {

console.log("image6 Clicked");

setScreen("incorrect2");

});

onEvent("image7", "click", function( ) {

console.log("image7 Clicked");

setScreen("correct2");

});

onEvent("image8", "click", function( ) {

console.log("image8 Clicked");

setScreen("incorrect2");

});

onEvent("image9", "click", function( ) {

console.log("image9 Clicked");

setScreen("incorrect2");

});

onEvent("image10", "click", function( ) {

console.log("image10 Clicked");

setScreen("incorrect2");

});

onEvent("next9", "click", function( ) {

console.log("next9 Clicked");

setScreen("question3");

});

onEvent("next3", "click", function( ) {

console.log("next3 Clicked");

setScreen("question3");

});

onEvent("true1", "click", function( ) {

console.log("true1 Clicked");

setScreen("correct3");

});

onEvent("false1", "click", function( ) {

console.log("false1 Clicked");

setScreen("incorrect3");

});

onEvent("next10", "click", function( ) {

console.log("next10 Clicked");

setScreen("question4");

});

onEvent("next4", "click", function( ) {

console.log("next4 Clicked");

setScreen("question4");

});

onEvent("next5", "click", function( ) {

console.log("next5 Clicked");

setScreen("question5");

});

onEvent("true2", "click", function( ) {

console.log("true2 Clicked");

setScreen("correct4");

});

onEvent("false2", "click", function( ) {

console.log("false2 Clicked");

setScreen("incorrect4");

});

onEvent("next11", "click", function( ) {

console.log("next11 Clicked");

setScreen("question6");

});

onEvent("next6", "click", function( ) {

console.log("next6 Clicked");

setScreen("question6");

});

onEvent("choice4", "click", function( ) {

console.log("choice4 Clicked");

setScreen("correct5");

});

onEvent("choice1", "click", function( ) {

console.log("choice1 Clicked");

setScreen("incorrect5");

});

onEvent("choice2", "click", function( ) {

console.log("choice2 Clicked");

setScreen("incorrect5");

});

onEvent("choice3", "click", function( ) {

console.log("choice3 Clicked");

setScreen("incorrect5");

});

onEvent("next12", "click", function( ) {

console.log("next12 Clicked");

setScreen("finishscreen");

});

onEvent("next7", "click", function( ) {

console.log("next7 Clicked");

setScreen("finishscreen");

playSound("sound://category\_female\_voiceover/shout\_congratulations\_female.mp3", false);

});