

*SET08801 2021-2*  
*TR2 001 - WEB*  
*TECHNOLOGIES –*  
*ASSESSMENT*  
*PART 1*

*“Do You Know Saint Lucia?” Website*

*Lake, Dave Christopher - 40510331*

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

## Table of Contents

<b>Introduction .....</b>	<b>2</b>
<b>Sample Questions .....</b>	<b>3</b>
<b>Proposed Website Features .....</b>	<b>6</b>
<b>User Interface .....</b>	<b>7</b>
<b>Common Elements .....</b>	<b>7</b>
<b>Home Page .....</b>	<b>7</b>
<b>Quiz Pages .....</b>	<b>8</b>
Quiz Setup .....	8
Question Screens .....	9
Results Screen .....	10
<b>Review Questions .....</b>	<b>11</b>
<b>Learn About Saint Lucia .....</b>	<b>11</b>
<b>Navigation Tree .....</b>	<b>12</b>

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

"Do You Know Saint Lucia?" Website

Dave Christopher Lake – 40510331

## Introduction

The assessment requires designing, implementing, and evaluating a website for an online quiz. I imagine the Government Ministry of Tourism commissioning a "Do You Know Saint Lucia?" website for my submission. This website intends to be an interactive learning tool that will increase the general awareness and knowledge of the Caribbean Island nation of Saint Lucia and use a quiz to accomplish this aim. The website is therefore aimed primarily at tourists and visitors to the island. It may be later extended to encourage travel to the island by offering promotions or coupons to high-scoring visitors but will also be marketed to locals to promote national pride.

I have imagined an interactive learning experience where users are presented with multiple-choice questions and are given immediate feedback with the opportunity to learn more about the topic presented in the question.

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

## Sample Questions

1. What is the Capital City of Saint Lucia?
  - A. Bridgetown
  - B. Castries
  - C. Roseau
  - D. Canneries
2. What sea borders the western coast of Saint Lucia?
  - A. Caspian Sea
  - B. Black Sea
  - C. Caribbean Sea
  - D. dd
3. What is the currency of Saint Lucia?
  - A. The East Caribbean pound
  - B. The East Caribbean dollar
  - C. The East Caribbean franc
  - D. The East Caribbean pfennig
4. Which is the official language of Saint Lucia?
  - A. English
  - B. French
  - C. German
  - D. Italian
5. \_\_\_\_\_ serves as a second language of many Saint Lucians.
  - A. French
  - B. Papiamentto
  - C. Patois/ Kweyol
  - D. Klingon
6. This color is not present in the Saint Lucian Flag
  - A. White
  - B. Blue
  - C. Red

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

- D. Yellow Black
7. What is the name of Saint Lucia's international Airport?
- A. Argyle International Airport
  - B. Grantley Adams International Airport
  - C. Hewanorra International Airport
  - D. Piarco International Airport
8. Saint Lucia is often referred to using the name of this famous woman from history:
- A. Queen Victoria
  - B. Mary Magdalene
  - C. Helen of Troy
  - D. Joan of Arch
9. What is the locally brewed beer of Saint Lucia called?
- A. Carib
  - B. Corona
  - C. Piton
  - D. Parbo
10. Which Caribbean Island is first due south of St Lucia?
- A. Antigua
  - B. Barbados
  - C. Saint Vincent
  - D. Jamaica
11. The iconic twin volcanic peaks in St Lucia are known as The Pitons, but what are their names?
- A. Papa & Peewee Piton
  - B. Little & Large Piton
  - C. Gros & Petit Piton
  - D. Grande & Menor Piton
12. Marigot Bay on the north coast of the island was famously the original setting for which 1967 film

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

- A. Jungle Book
- B. Dr. Doolittle
- C. Treasure Island
- D. Bonnie and Clyde

13. When did Saint Lucia become independent?

- A. 22 February 1979
- B. 24 May 1976
- C. 29 September 1973
- D. 18 December 1962

14. Who was the first group of people to settle in St.Lucia?

- A. Europeans
- B. Amerindians
- C. Africans
- D. Chinese

15. St Lucia's original inhabitants called their land?

- A. Party Land
- B. Carinage
- C. Iyanola
- D. Sansunson

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

## Proposed Website Features

1. A responsive website to be viewed on different screen sizes (Desktop and mobile)
2. Allow users to enter their names at the beginning of the quiz and display a report card at the end of the quiz.
3. Allow users to choose a skill level that will determine how many and which questions are presented.
4. The quiz will randomly present the appropriate number of questions from the pool.
5. Questions will be presented to the user one by one and allow them to submit after selecting their choice of answer.
  - Users will not be allowed to skip a question – An alert box is displayed to tell the user that they must choose an option.
  - Options will be presented as buttons that will change appearance as the user hovers over them once they have selected them.
6. Once a user's answer has been submitted their answer, they will receive audio and visual feedback as to whether this answer is right or wrong, as well as an explanation of the correct answer.
  - The explanation should also include a link to read further on the subject.
    - Links will be both external links as well as local pages. Links will be opened in a new tab/window.
  - The submit button will change to a continue button while the answer is displayed.
7. Results Page
  - Display player's name
  - Display number of correct answers out of total questions
  - Display a percentage of questions correct
8. The website will store the user's questions so that on completion, the user will be able to review the answers to the questions.

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

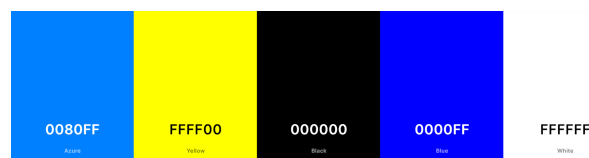
Dave Christopher Lake – 40510331

9. Use of a JSON file to store questions and answers. This will allow for quickly editing questions and adding more to the pool. It will also help to add other question pools in the future.
10. Allow users to submit prospective questions to be added to the pool.
11. A Favicon using the Saint Lucian flag.

## User Interface

### Common Elements

The website will have a simple uniform theme throughout all pages using a color scheme that reflects Saint Lucia's national flag colors of cerulean blue, yellow, white, and black as illustrated below:



The website will have a header on all pages with the website's name displayed in Black text. Due to the nature of the website being a quiz, I have decided not to use traditional navigation bars or menus but allow for a linear movement through the quiz and present opportunities throughout forking navigation only when it relates to what is being displayed moment. This should make the website very easy to use by visitors of all IT skill levels.

### Home Page

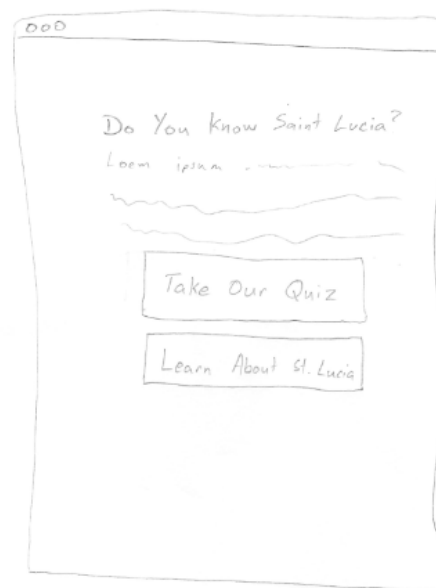
The home page will include a brief description of the website and quiz. The aim is to keep the text on this page at a minimum and provide button links to the quiz and a "Learn About Saint Lucia" page. Links to the Government's website may also be included on this page as a graphic.



# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

"Do You Know Saint Lucia?" Website

Dave Christopher Lake – 40510331



## Quiz Pages

On clicking the "Take Our Quiz" button on the home page, visitors will be directed to the quiz page. This page will display all quiz content in a flex container.

## Quiz Setup

The "Quiz Setup" screen is the first screen of the quiz. This screen allows the user to type in their name and click to select their desired difficulty level. The number of questions will be automatically adjusted based on the level chosen. The user can then click on "Start Quiz" to move on.



# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

## Question Screens

Once started, the quiz will present the user with one question at a time. A position marker will display exactly where the user is in the quiz. Once the user has made a choice, their choice will change color to indicate their choice, and they can choose to submit that choice.



After submitting a choice, the user will get audio feedback to indicate whether their choice was correct or not. The background will also change color to reflect this (Red for incorrect, green for correct). Additional text will be displayed under the choices given and explain why their question was right or wrong with links so they can read more.

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

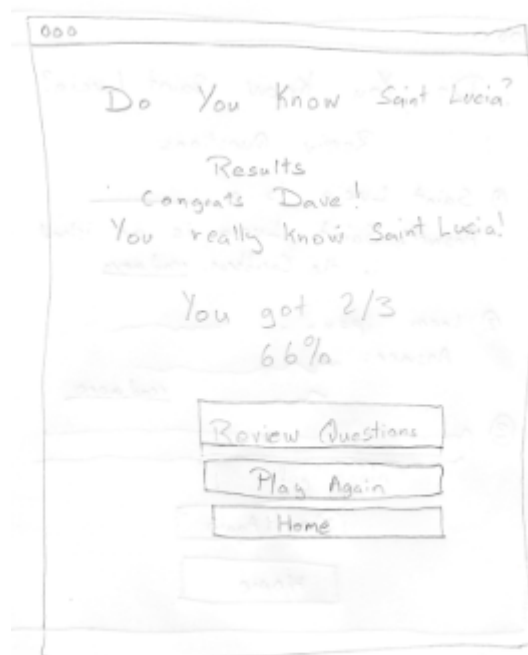
"Do You Know Saint Lucia?" Website

Dave Christopher Lake – 40510331



## Results Screen

Once the user has completed all of their questions, they will be presented with the results screen. This screen will give a personalized message based on their performance using the user's name. The screen will also display their score as both a fraction and a percentage. Finally, the user will be presented with buttons to "Review Questions," "Play Again," or return to the "Home" screen.



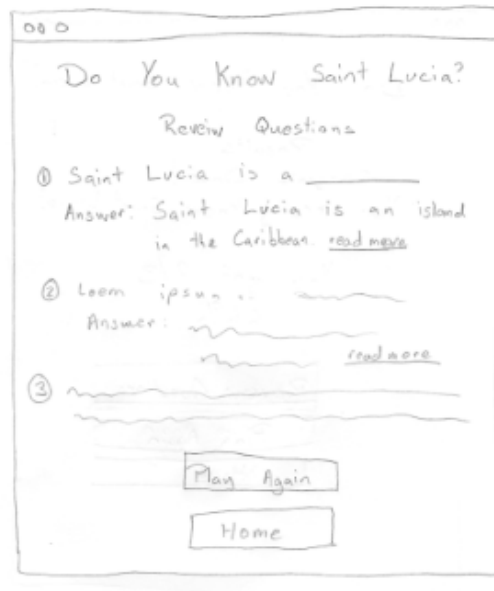
# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

## Review Questions

If the user decides to go to the review questions page, they will be directed to a page that displays the questions posed to them, with the correct answers.



## Learn About Saint Lucia

This page will contain text and graphics telling the story of Saint Lucia.

# SET08801 2021-2 TR2 001 - Web Technologies – Assessment Part 1

“Do You Know Saint Lucia?” Website

Dave Christopher Lake – 40510331

## Navigation Tree

