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

“Do You Know Saint Lucia?” Website

# Introduction

The assessment requires designing, implementing, and evaluating a website for an online quiz. I have chosen to build a “Do You Know Saint Lucia?” website. This website is intended to increase the general knowledge of the Caribbean island nation of Saint Lucia and will use a quiz to accomplish this aim.

The “Do You Know Saint Lucia?” quiz will allow users to be presented with multiple-choice questions from a pool. After selecting and submitting an answer the user will be told weather their choice is correct or not and will also be given information on the correct answer and links to follow for more information on the subject.

Sample Questions:

1. What is the Capital City of Saint Lucia?
   1. Bridgetown
   2. Castries
   3. Roseau
   4. Canneries
2. What sea borders the western coast of Saint Lucia?
   1. Caspian Sea
   2. Black Sea
   3. Caribbean Sea
   4. dd
3. What is the currency of Saint Lucia?
   1. The East Caribbean pound
   2. The East Caribbean dollar
   3. The East Caribbean franc
   4. The East Caribbean pfennig
4. Which is the official language of Saint Lucia?
   1. English
   2. French
   3. German
   4. Italian
5. \_\_\_\_\_ serves as a second language of many Saint Lucians.
   1. French
   2. Papiamento
   3. Patois/ Kweyol
   4. Klingon
6. This color is not present in the Saint Lucian Flag
   1. White
   2. Blue
   3. Red
   4. Yellow Black
7. What is the name of Saint Lucia’s international Airport?
   1. Argyle International Airport
   2. Grantley Adams International Airport
   3. Hewanorra International Airport
   4. Piarco International Airport
8. Saint Lucia is often referred to using the name of this famous woman from history:
   1. Queen Victoria
   2. Mary Magdalene
   3. Helen of Troy
   4. Joan of Arch
9. What is the locally brewed beer of Saint Lucia called?
   1. Carib
   2. Corona
   3. Piton
   4. Parbo
10. Which Caribbean Island is first due south of St Lucia?
    1. Antigua
    2. Barbados
    3. Saint Vincent
    4. Jamaica
11. The iconic twin volcanic peaks in St Lucia are known as The Pitons but what are their individual names?
    1. Papa & Peewee Piton
    2. Little & Large Piton
    3. Gros & Petit Piton
    4. Grande & Menor Piton
12. Marigot Bay on the north coast of the island was famously the original setting for which 1967 film
    1. Jungle Book
    2. Dr Doolittle
    3. Treasure Island
    4. Bonnie and Clyde
13. When did Saint Lucia become independent?
    1. 22 February 1979
    2. 24 May 1976
    3. 29 September 1973
    4. 18 December 1962
14. Who were the first group of people to settle in St.Lucia?
    1. Europeans
    2. Amerindians
    3. Africans
    4. Chinese
15. St Lucia’s original inhabitants called their land?
    1. Party Land
    2. Carinage
    3. Iyanola
    4. Sansunson

# Proposed Website Features

* Responsive website to be viewed on different screen sizes (Desktop and mobile)
* Allow users to enter their name at the beginning of the quiz and display a report card at the end of the quiz.
* Allow users to choose a skill level which will determine how many and which questions are presented.
* The quiz will randomly ask the appropriate number questions from the pool of questions.
* Questions will be presented to the user one by one and allow the user to submit after selecting their choice of answer.
  + User will not be allowed to skip a question – An alert box is displayed to tell the user that they must chose an option.
  + Options will be presented as buttons which will change appearance as the users hovers over them and once the user has selected them.
* 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 so the user can read further on the subject.
  + The submit button will change to a continue button while the answer is displayed.
* Results Page
  + Display player’s name
  + Display number of correct answers out of total questions
  + Display a percentage of questions correct
* On completion the user will be able to review the questions
* Use of a JSON file to store questions and answers. This will allow for easily editing questions and adding more to pool. Will also help to add other question pools in the future.

# Navigation Tree

# User Interface