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SET08101 – Web Technologies - online quiz site Report

**Quiz Description**

The quiz site that I will be creating is based on some of my global travels. I travelled around the world on two occasions between 2004 – 2006. My quiz website will therefore be based on the destinations that I travelled to and will be in an interactive format. The questions that I will be using for my website will be based on each destination I travelled to. In order to move onto the next destination on your round the world quiz trip, you must answer the question correctly. Each question in the quiz will have four possible answers, of which only one answer is the correct one. As you move on around the world, each destination question will become harder. So, your trip will start in Edinburgh, where you will answer a question based on Edinburgh before you move onto the next destination, London, where you will answer a question related to London before moving onto the next destination.

Some of the questions I will be using include the following:

Q1. What is the name of the Queens official Edinburgh residence?

* Holyrood Castle
* Holyrood House
* Edinburgh Castle
* Holyrood Palace

Q.2 I flew out of this airport in London on my way to India?

* London City Airport
* London Town Airport
* London Heathrow Airport
* London Bridge Airport

Q3. What colours make up the national flag of Thailand?

* Red, white, and blue
* Red, white, and yellow
* Blue, white, and green
* Green and white

At this stage and as an example, my questions will look like the below screenshot.

Graphical user interface

Description automatically generated with medium confidence

There will be one full quiz option initially, ‘James’ Round the Quiz’, which as I have previously mentioned is based on my travels around the world. To the left of the home page, there will also be an interactive list of the destinations within the quiz, where the user can select any one of these destinations. This will then produce five questions on the selected destination, which is designed to be fun, as well as testing the user’s geographical knowledge.

**Background Research**

I have researched many quiz websites, some based on round the world quizzes and others just general knowledge quizzes. I have looked at the html, CSS and JavaScript files that make up these websites. I experimented using smaller pieces of their codes and trying to understand what they are doing and why and how they work within their given sites.

Throughout my research phase I have found certain pieces of code that I would like to use in my website, although many of them will not be the same, but of a similar nature or in some cases quite different. By trialling these smaller pieces of code, I have been able to decide what would work for my site and what would not work or not be relevant. This research phase has been invaluable and his helped my learning of how exactly these websites work, including how interactive some of them are as well as giving me many ideas relating to how I want my website to function, how interactive I want it to be, what features I want to include, how relevant these features are and how I can keep the user interested to the point where they are having fun with the website.

Website Features

On the home page of my quiz website at the top there will be two features which are:

* ‘Start Quiz’ button
* ‘Leader board’ button

To the left side of my home page will be a list of options based on the destinations within the quiz. These destination options when selected will have five questions based on that destination and can be described as a quiz within a quiz if you like, although they are not part of the main round the world quiz, but just an additional fun feature of the website used to test your geographical knowledge further. An example of these destination features is shown below.

**Features List**

On my home page the first feature I will discuss is my ‘Start Quiz’ feature. This will be enclosed within a rounded edge box with a green background (#04AA6D). When selected by the user this will start the quiz and take you onto the next page of the website which will display question one, with four possible answers.

The next feature display next to ‘Start Quiz’ will be the ‘Leader board’ button, again in the form of a rounded edge box, again with a green background colour (#04AA6D). If the user selects this button, it will take them to the leader board page of the website, which displays the top 10 users’ scores, with alternating colours of blue (#4169E1) and white. An example of what this button along with the start button will look like are shown in the screenshots below.

Icon

Description automatically generated

The leader board page is shown below.

A picture containing background pattern

Description automatically generated

To the left-hand side of the home page there will be a vertical list or sidebar menu of the destinations used within the main quiz. This list will be interactive and when the user selects a destination, they will be taken to another page within the website where they can answer five questions relating to that destination. The idea behind this is to add a bit more flavour to the website by having a mini quiz within a quiz, where the user can further test their geographical knowledge, with the main goal of making the whole website more fun and most definitely not boring.

This list of destinations will look like the screenshot below to the left, while below to the right is what each page will have at the bottom.

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

Site Organisation and Navigation

The home page will have two boxes at the top of the page which are ‘Start Quiz’ and ‘Leader board’. The ‘Start Quiz’ button will navigate you to the second page of the website which contains question number one of the quiz. From here, you can navigate through the quiz pages forwards one page or backwards one page by selecting one of the options at the bottom of each page which are indicated by red, back one page and green, forward one page. There is also a third button, the ‘home’ button, to take you directly back to the homepage of the website, which is blue in colour.

The ’Leader board’ button will take you directly to the Leader board page, where the top ten players scores and usernames are displayed in the form of a table, with alternating colours of blue and white. From this ‘Leader board’ page, there is one option button at the bottom of the page to take you back to ‘home’.

The site diagram is displayed below, which clearly shows the layout of the site and how the user can navigate through the site, which although basic, makes it easy to navigate.

Home



Leader board

Quiz Page 1



Quiz Page 2



Quiz Page 13

Quiz Page 12

Quiz Page 11

Quiz Page 10

Quiz Page 9

Quiz Page 8

Quiz Page 7

Quiz Page 6

Quiz Page 5

Quiz Page 4

Quiz Page 3