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# CS 438 – Internet Technologies

# Project

# [ Riyadh Trail ]

**BY**



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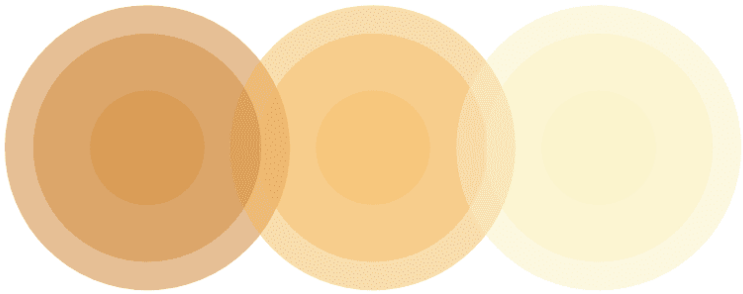

# Riyadh Trail

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In this project, we managed to develop a website to help tourists and residents of Riyadh city to know about the city and its facilities such as : Restaurants , Café's , Events and Hotels . This project will be beneficial in many aspects , it'll help businesses to get more exposure and reach their targeted audience , it will also help tourists flowing to the city to get familiar with it even before arriving here .

# 1. Site Map

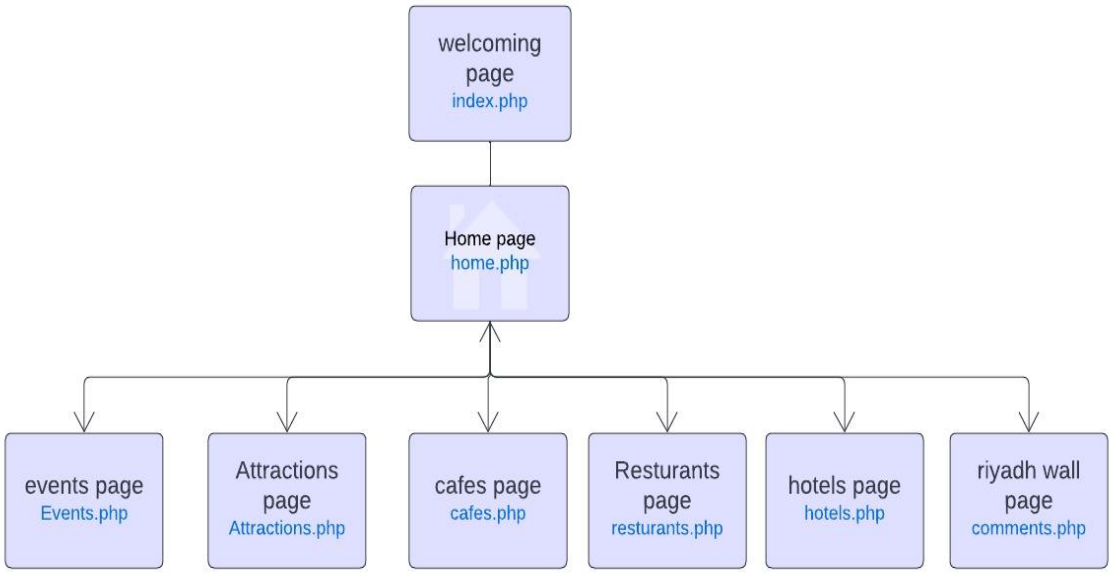


Figure 1: Riyadh Trail Site Map

# 2. Look & Feel

To make things clear and rich in content we will describe each aspect alone , starting with :

## 2.1 Look

### 2.1.1. The colors

In 2022 the trending colors an color pallets are categorized to a specific area or "aesthetic" which is the Minimalist approach, we have carefully chosen the following colors :-

- rgb(88, 75, 75)

- rgb(128, 128, 128) 
- Black
- White
- Baige

### 2.1.2. Images and media

We have included many pictures and videos of Riyadh's Events , restaurants , cafes and attractions .

### 2.1.3. Fonts

After researching many available fonts we choose the following font family :

```
font-family: "Trebuchet MS", "Lucida Sans Unicode", "Lucida Grande",
            "Lucida Sans", Arial, sans-serif;
```

## 2.2 Feel

We Asked ourselves what is our first impression of our website?

Is it Serious?, we accomplished that.

Approachable and Sophisticated? , The website was easy to use by many user groups and was up to date in the HCI perspective .

Playful? , Video backgrounds and multimedia presence made huge efforts in that aspect

consideration of the type of motion and pacing makes all the difference. For example, using a smooth slide-in for an image would result in a very different feel than using a quick popup and bounce effect for that same image.

## 3. Dynamic Components

The pages that contains a JavaScript code are:

1- All pages that includes (nav-list) , we used JavaScript at the search function

- Search code:

```
<script>
     function myFunction() {
    // Declare variables
    var input, filter, ul, li, a, i, txtValue;
    input = document.getElementById('search');
      filter = input.value.toUpperCase();
    ul = document.getElementById("nav-list");
    li = ul.getElementsByTagName('li');
```

```
        // Loop through all list items, and hide those who don't
    match the search query
        for (i = 0; i < li.length; i++) {
        a = li[i].getElementsByTagName("a")[0];
        txtValue = a.textContent || a.innerText;
        if (txtValue.toUpperCase().indexOf(filter) > -1) {
          li[i].style.display = "";
        } else {
          li[i].style.display = "none";
          }
         }
          }
        </script>
```

2- Comment.php , due to the use of Ajax .

# 4. Business Logic

- **Database structure :** in our database, we have two tables (place and comment )

place table: the following table is used mainly for the purpose of obtaining pictures links of places in Riyadh to display them in the website interface, as we show pictures on our website mentioning each picture link using PHP code

comment table: this table is used for the comment system on our website, we use the comment table to show and insert comments in the database, using Riyadh wall page

SQL queries :

1- $res = mysqli_query($con , "select * from place WHERE type='restaurant' ");

associated forms :

example: we used the PHP code each restaurant CSS class as follows

```
.ROKA
        {
         background-image: url(<?php echo $s7[3]  ?>);
            background-size: cover;
        }
```

so we can refer to the background image of a restaurant as a PHP image link coming from the database

later, we apply the CSS class to an HTML form to create a restaurant with a background image coming from the database.

Associated html form :

```
<form class="ROKA">
    <div <div class="ResTittle" style="font-size:xx-large ; font-weight:bold ; background-color: rgba(255,255,255,0.5); ">Roka  </div>
    <div class="hide"> fine highly rated dining japanese resturant all the way from london to riyadh</div> >   </div>
    <br>
    <br>
    <br>
    <br>
    <br>
    <br>
    <br>
</form>
```

Figure 2: HTML form(1)

2- $sql = "INSERT INTO `comment`( `name`, `comment_con`) VALUES ('$name','$commentt')" ;

example: the following SQL query was used to insert comments from HTML form into the database

associated HTML form:

```
    <h3> Get the chance to write something about Riyadh city and post it on our website ! </h3>
    <form>
        name:<input type="text" placeholder="enter your name" name="userName" id ="userName">
        <br>
        enter your comment down below
        <br>
        <textarea name="comment"  rows="4" cols="50" id="comment"></textarea>
        <br>
        <input type="button"  id="btn" value="press here ">
    </form>
```

Figure 3: HTML form(2)

Note , the form doesn’t contain ether post or get method or action because we used AJAX in this page

Data insertion was handed by ajax

# 5. Diagrams

## 5.1 Use Case Diagram


Figure 4: Use Case Diagram

## 5.2. Flowchart

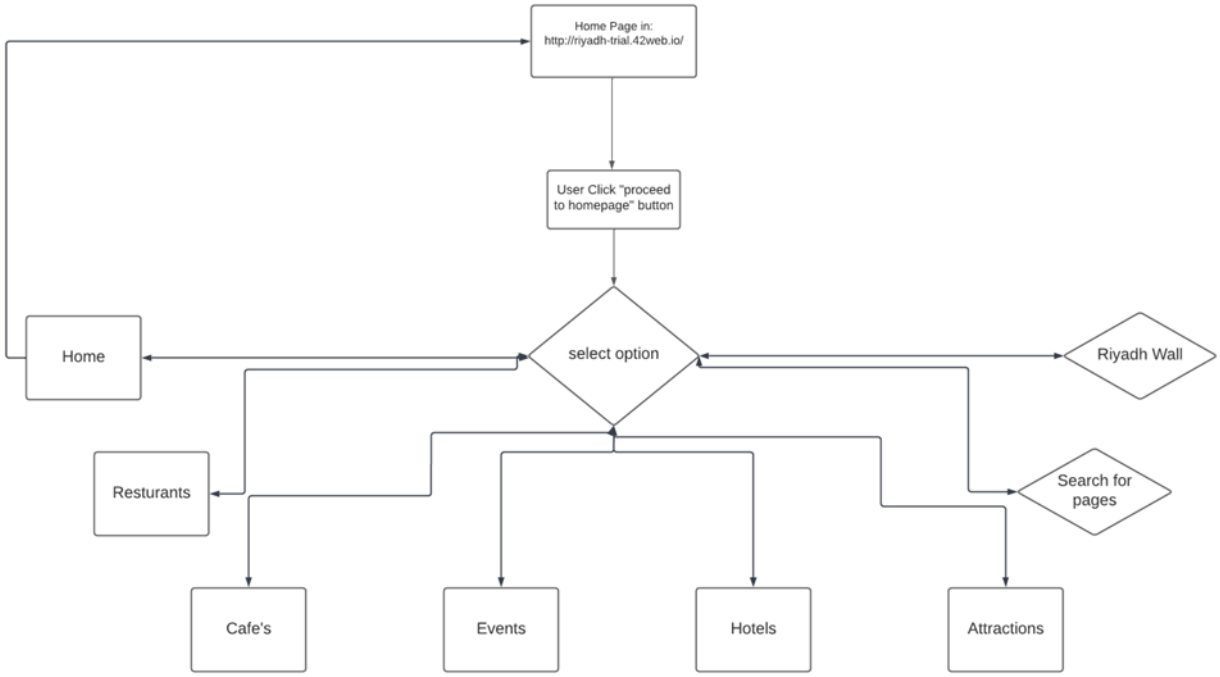


Figure 5: Flow Chart

## 5.3 Test Case Scenarios

| Test case# | Test Case Description | Test Data | Expected Result | Actual Result | Pass/Fail |
|---|---|---|---|---|---|
| **1** | Check response when user press”proceed to HomePage”Button | User presses the button | The user should be redirected to HomePage | user is redirected to HomePage | Pass |
| **2** | Check response when user press”Resturants”Button in home page | User presses the button | The user should be redirected to Restaurants page | The user is redirected to resturants page | pass |
| **3** | Check response when user press”Café’s”Button in home page | User presses the button | The user should be redirected to Cafe’s page | The user is redirected to cafe’s page | pass |
| **4** | Check response when user press”Events”Button in home page | User presses the button | The user should be redirected to Events page | The user is redirected to Events page | pass |

| | | | | | |
|---|---|---|---|---|---|
| **5** | Check response when user press”Hotels”Button in home page | User presses the button | The user should be redirected to Hotels page | The user is redirected to Hotels page | pass |
| **6** | Check response when user press”Attractions”Button in home page | User presses the button | The user should be redirected to Attractions page | The user is redirected to Attractions page | pass |
| **7** | Check response when user press”Home”Button in home page | User presses the button | The user should be redirected to Home page | The user is redirected to Home page | pass |
| **8** | Check response when user search for”Resturants” in the search bar | User types “Resturants” in the “search for pages” search bar | The user should be redirected to the Resturants page | The user is redirected to the Resturants page | pass |
| **9** | Check response when user search for”Café’s” in the search bar | User types “Cafe’s” in the “search for pages” search bar | The user should be redirected to the Cafe’s page | The user is redirected to the Cafe’s page | pass |
| **10** | Check response when user search for”Events” in the search bar | User types “Events” in the “search for pages” search bar | The user should be redirected to the Events page | The user is redirected to the Events page | pass |
| **11** | Check response when user search for”Hotels” in the search bar | User types “Hotels” in the “search for pages” search bar | The user should be redirected to the Hotels page | The user is redirected to the Hotels page | pass |
| **12** | Check response when user search for”Attractions” in the search bar | User types “Attractions” in the “search for pages” search bar | The user should be redirected to the Attractions page | The user is redirected to the Attractions page | pass |
| **13** | Check response when user enter a comment in “Riyadh wall” section | User types a comment and enters it inside the Riyadh wall section | The user should see his comment in the “Riyadh wall” section | The user get to see his comment in the “Riyadh wall” section | pass |

# References


- https://www.w3schools.com/js/js_ajax_intro.asp