

# Web Project

SYBSC I.T.

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Uid 205144

Roll No. 50

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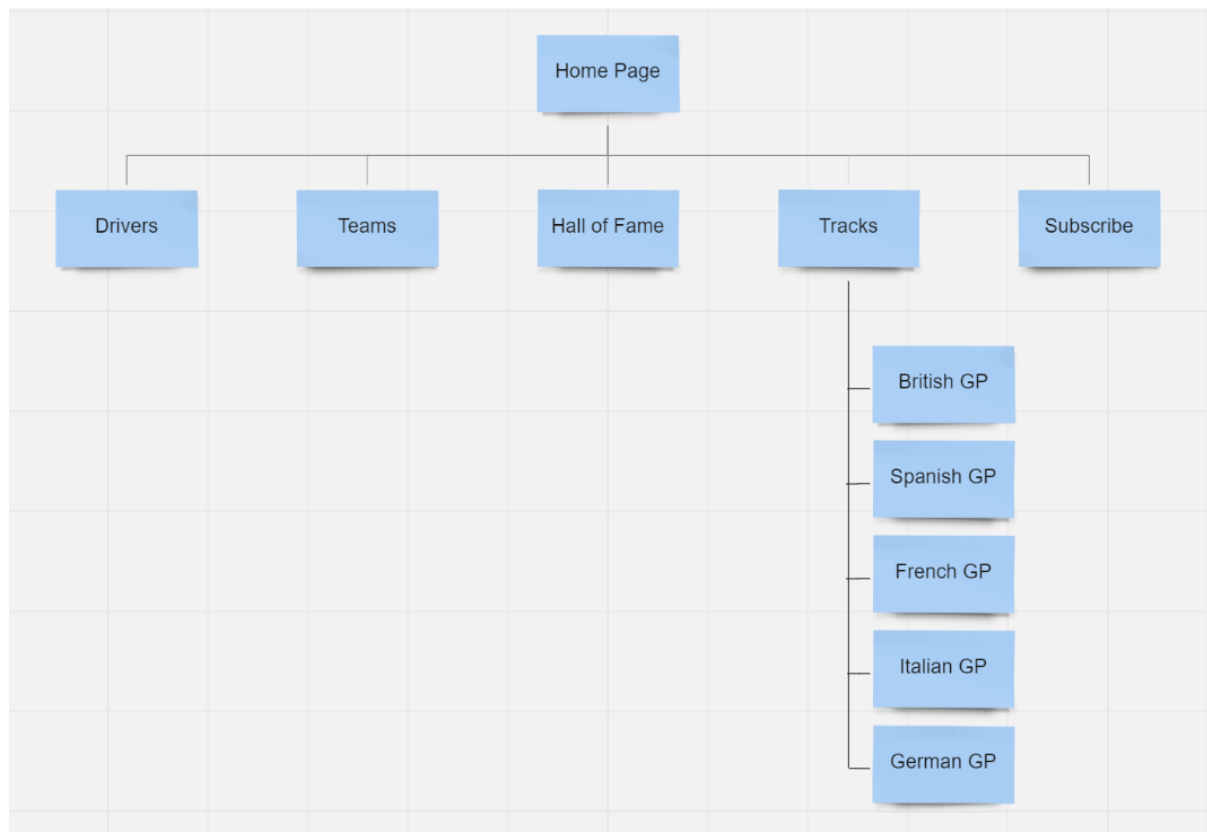
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**Website Link:** [formula1.infinityfreeapp.com](http://formula1.infinityfreeapp.com)

## Introduction:

I was assigned the theme of a sports site as an assignment to implement into a static html site by Prof. Lydia Fernandes. I chose the topic to be Formula 1. The theme of the website also gives you an idea about F1. I have only added basic information on my website using various properties and have linked various articles throughout the website. Images used are not subject to copyright issues.

## Site Map:



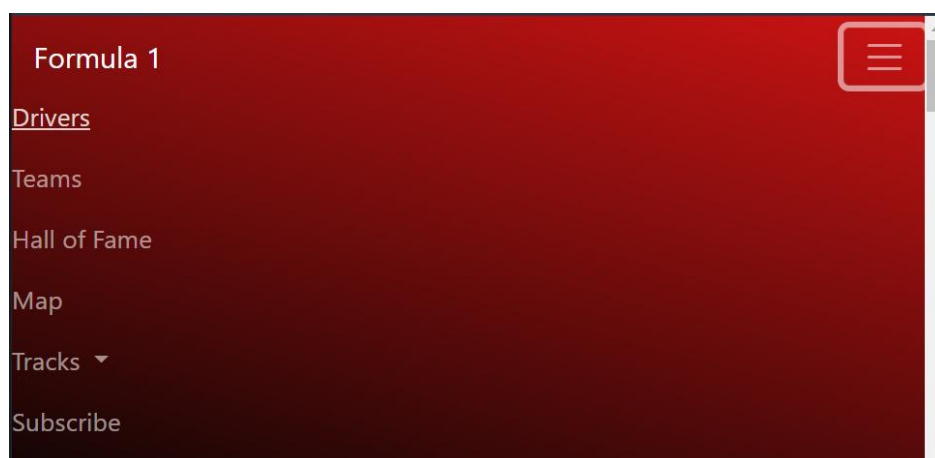
## Concepts used:

1. html- used to provide the basic structure of the site, a.k.a the backbone of a static website
2. css – used for styling html components. It has no limitations and hence a broad usage
3. bootstrap css- used for styling html componenets in a hassel free manner but has it's limitations. Vanilla css is still needed in order to make custom components
4. jQuery and Js- Used to make the site a little bit dynamic. I have used it in my website in order to showcase the 'Driver standings' and the 'Constructor standings' in my homepage. Js is used to make a countdown timer for the race which is yet to be conducted
5. php & mysql - Used for connecting the static website to a backend database. I have implemented php and mysql to create a registration form for signing up users. The data is stored inside the phpmyadmin database

## Concepts Implementation:

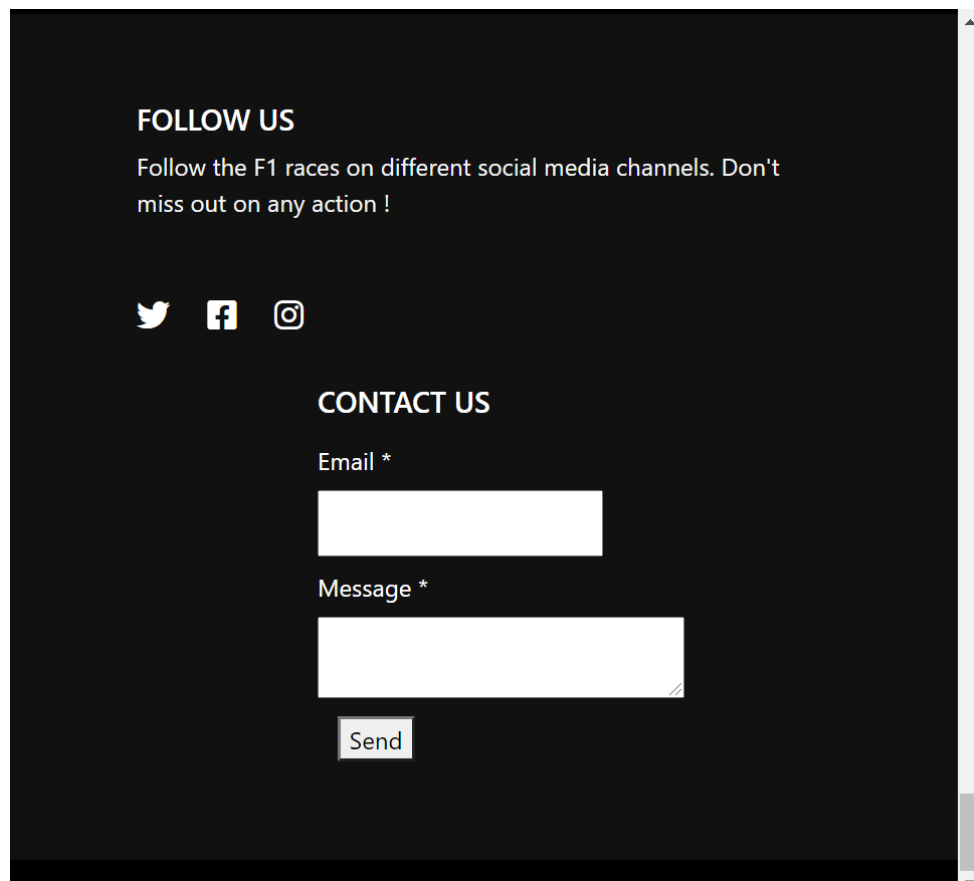
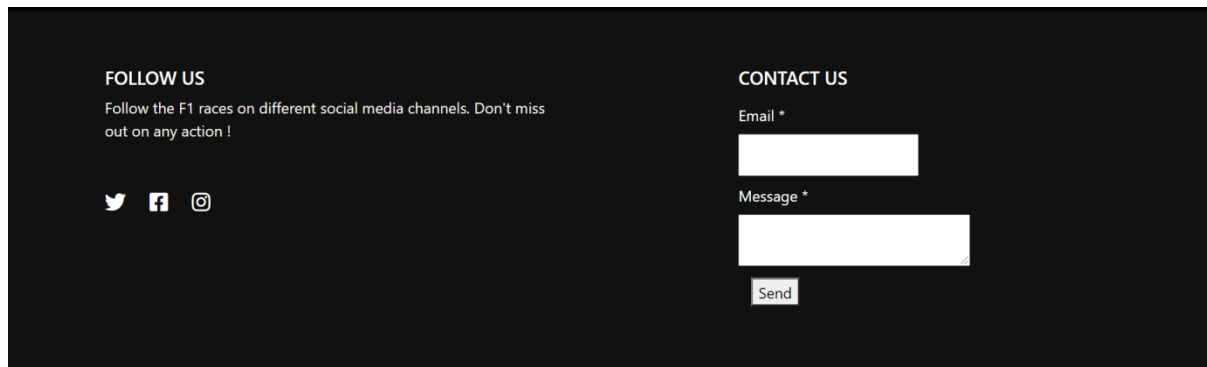
### a. Navbar:

- i. We use 3 <div> tags
- ii. The first div contains the brand logo
- iii. The second div contains the different items for navigating between subpages
- iv. It is also collapsible



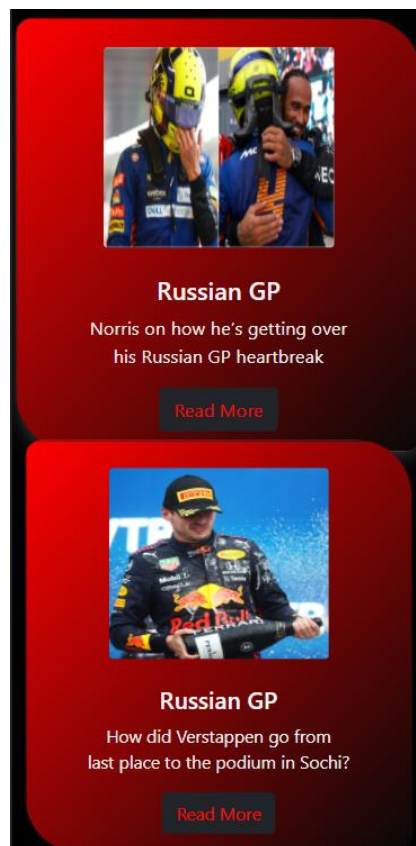
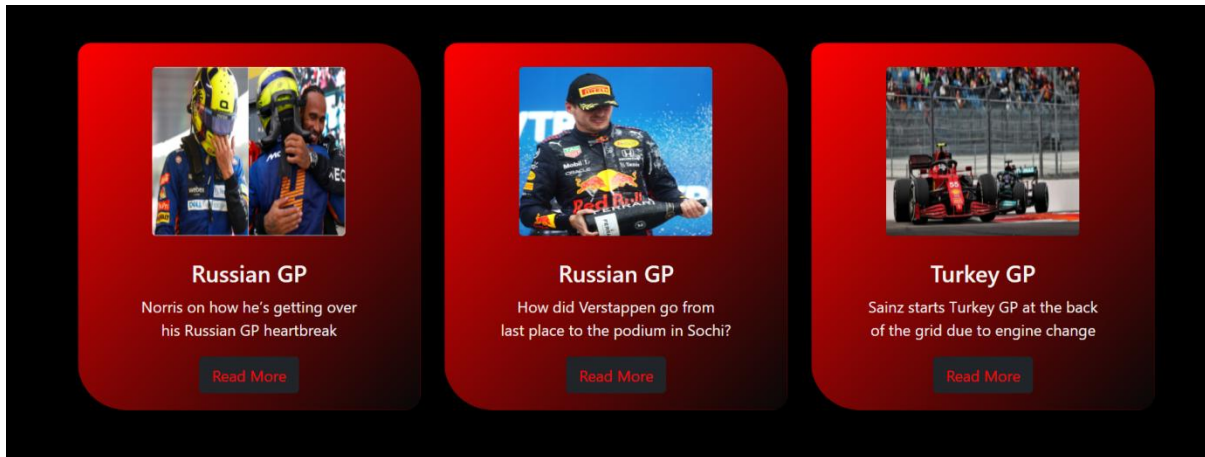
**b. Footer:**

- i. Implemented using Bootstrap CSS.
- ii. I have divided the footer section into a grid using grid property of bootstrap
- iii. The first column contains a short message and the links to different social media channels
- iv. The second column contains a user input box and a sign in button
- v. It is also responsive



c. Cards:

- i. Made using bootstrap CSS. Divided the row into 3 columns and used the card class from bootstrap, card-img class for the different images. Made use to six <div> tags
- ii. Added vanilla css to the background for colour as well as borders and the hover feature as well.
- iii. Also responsive because of media queries



d. Carousel:

- i. Made using bootstrap CSS
- ii. Added four <div> tags in a container and the carousel and it's respective classes from bootstrap.
- iii. Added buttons to control the slides of the carousel using button tags and its different attributes.
- iv. Also is responsive



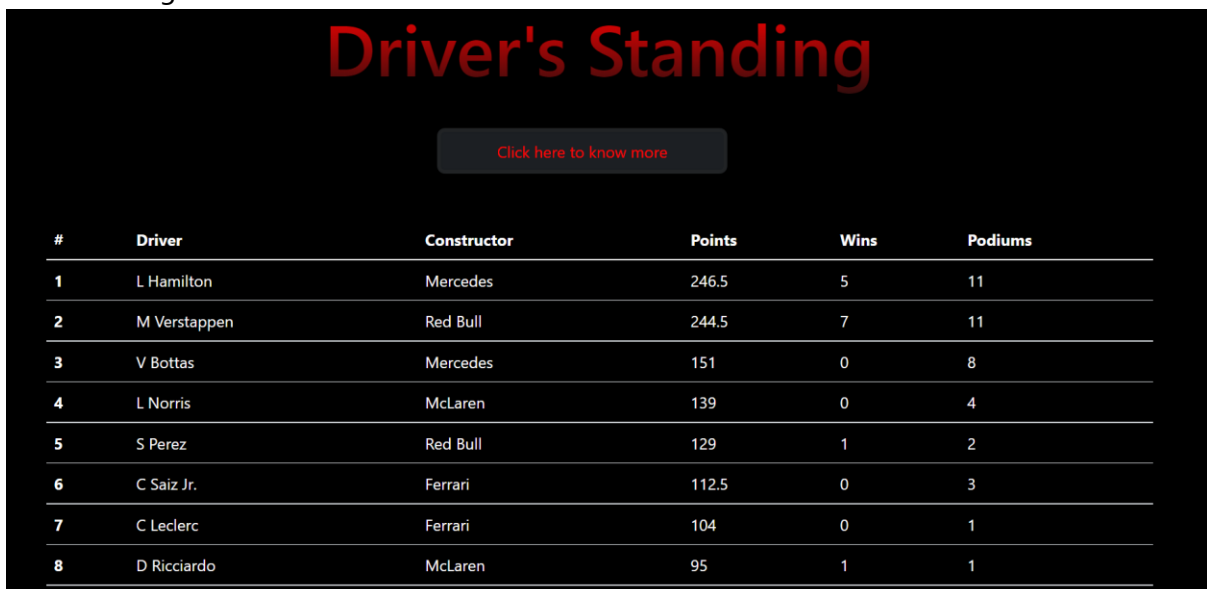
e. jQuery:

- i. The fadeToggle() method toggles between the [fadeIn\(\)](#) and [fadeOut\(\)](#) methods. If the elements are faded out, fadeToggle() will fade them in. If the elements are faded in, fadeToggle() will fade them out.
- ii. I have used this property to hide and display the 'Driver Standing' and the 'Constructor Standing' tables and left it to the users' will

Before clicking the button:



After clicking the button:



#	Driver	Constructor	Points	Wins	Podiums
1	L Hamilton	Mercedes	246.5	5	11
2	M Verstappen	Red Bull	244.5	7	11
3	V Bottas	Mercedes	151	0	8
4	L Norris	McLaren	139	0	4
5	S Perez	Red Bull	129	1	2
6	C Saiz Jr.	Ferrari	112.5	0	3
7	C Leclerc	Ferrari	104	0	1
8	D Ricciardo	McLaren	95	1	1

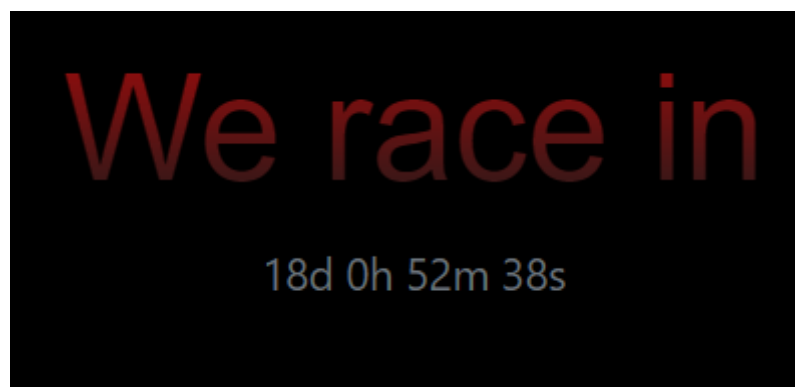


Code:

```
<script>
  $(document).ready(function(){
    $("#driver_jq").click(function(){
      $("#div-1").fadeToggle();
    });
  });
</script>
<script>
  $(document).ready(function(){
    $("#constructor_jq").click(function(){
      $("#div-2").fadeToggle();
    });
  });
</script>
```

f. JavaScript

- i. Used the countdown timer done in maths



Code:

```
1 // The countdown date
2 var countDownDate = new Date("Oct 23, 2021 23:59:59").getTime();
3
4 // Refreshing the counter
5 var x = setInterval(function() {
6
7     // Current date and time
8     var now = new Date().getTime();
9
10    // Difference count
11    var distance = countDownDate - now;
12
13    // Calculation of time
14    var days = Math.floor(distance / (1000 * 60 * 60 * 24));
15    var hours = Math.floor((distance % (1000 * 60 * 60 * 24)) / (1000 * 60 * 60));
16    var minutes = Math.floor((distance % (1000 * 60 * 60)) / (1000 * 60));
17    var seconds = Math.floor((distance % (1000 * 60)) / 1000);
18
19    // Output
20    document.getElementById("demo").innerHTML = days + "d " + hours + "h "
21    + minutes + "m " + seconds + "s ";
22
23    // If countdown over
24    if (distance < 0) {
25        clearInterval(x);
26        document.getElementById("demo").innerHTML = "Sorry. You're late, try filling the application offline.";
27    }
28 }, 1000);
```

## g. Responsiveness

The World Champions

# Juan Fangio

Many consider him to be the greatest driver of all time. In seven full Formula One seasons (he missed one recovering from a nearly fatal injury) he was World Champion five times (with four different teams) and runner-up twice. In his 51 championship Grands Prix he started from the front row 48 times (including 29 pole positions) and set 23 fastest race laps en route to 35 podium finishes, 24 of them victories.

[Read More](#)



## Juan Fangio

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[Read More](#)

## About the Race

The race was won by Mercedes driver Lewis Hamilton from pole position ahead of Red Bull's Max Verstappen and Hamilton's teammate Valtteri Bottas. The win allowed Hamilton to extend his Championship lead over Verstappen to 14 points.

[Results](#)[Highlights](#)

# About the Race

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[Results](#)
[Highlights](#)


## h. Php and MySql

### a. Database

#### i. Contains two tables for 'contact us' and 'subscription'

Server: sql113.epizy.com » Database: epiz\_29964782\_user\_subscription

Structure SQL Search Query Export Import Operations Routines Designer

Filters

Containing the word:

Table	Action	Rows	Type	Collation
<input type="checkbox"/> contact_us	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	6	InnoDB	latin1_swedish_ci
<input type="checkbox"/> user_input	<a href="#">Browse</a> <a href="#">Structure</a> <a href="#">Search</a> <a href="#">Insert</a> <a href="#">Empty</a> <a href="#">Drop</a>	3	InnoDB	latin1_swedish_ci
<b>2 tables</b>	<b>Sum</b>	<b>9</b>	<b>InnoDB</b>	<b>latin1_swedish_ci</b>

Contact Us:

email	message
noel_pinto@gmail.com	Very nice
mirji@gmail.com	great job
esther@hotmail.com	happy birthday belated
lydia@gmail.com	Good afternoon

Subscription:

email	name	city	zip	bdate
mirjisarthak3@gmail.com	Sarthak Mirji	Mumbai	400068	2021-10-13
roch@gmail.com	Richard Prabhu	Matunga	400106	2021-10-29
esther@gmail.com	Esther	Kolhapur	500034	2021-10-14

Code:

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$database_name="web_project";

// Create connection
$conn = mysqli_connect($servername, $username, $password,$database_name);

// Check connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
// echo "Connected successfully";

$txtEmail = $_POST['email'];
$txtName = $_POST['name'];
$txtCity = $_POST['city'];
$txtZip = $_POST['zip'];
$txtBdate = $_POST['bdate'];

$sql = "INSERT INTO user_input(email,name,city,zip,bdate)
VALUES ('$txtEmail','$txtName','$txtCity','$txtZip','$txtBdate')";

echo($txtEmail.$txtName.$txtCity.$txtZip.$txtBdate);

$result_set = mysqli_query($conn,$sql); //returns a non-zero value on success
```

```
<?php
$servername = "localhost";
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// Create connection
$conn = mysqli_connect($servername, $username, $password,$database_name);

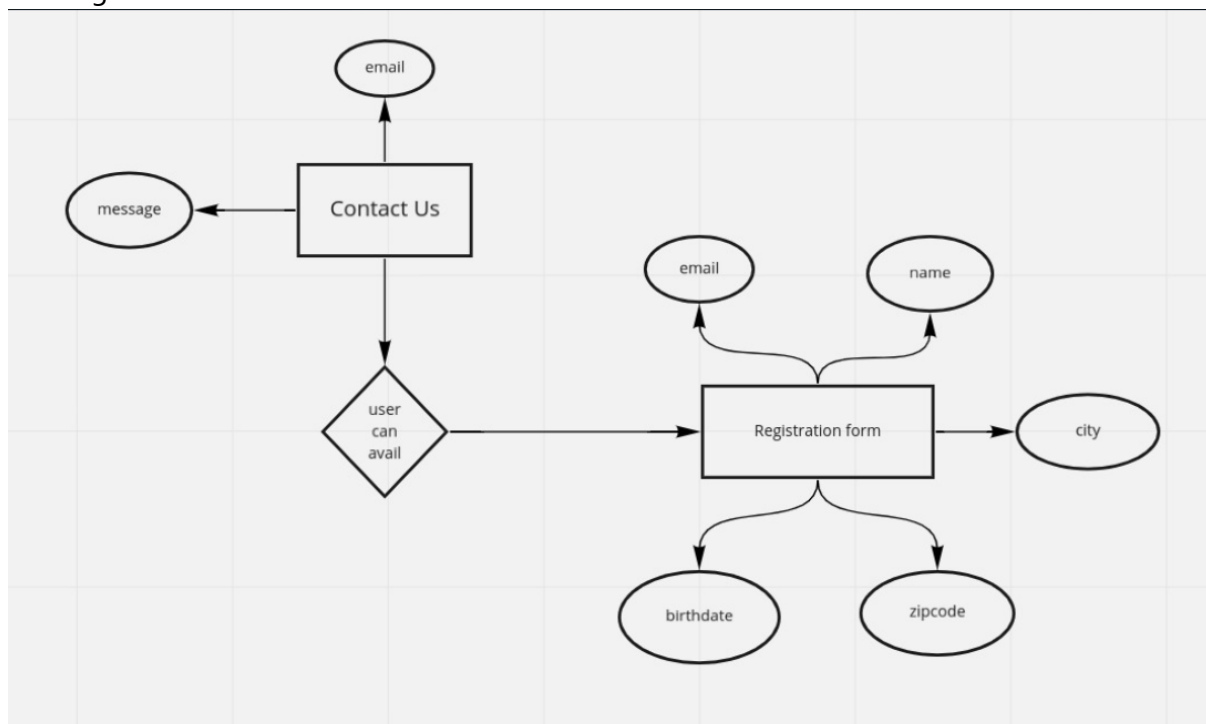
// Check connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}
// echo "Connected successfully";

$cont_email = $_POST['email-2'];
$message = $_POST['message'];

$sql = "INSERT INTO contact_us(email,message)
      VALUES ('$cont_email','$message')";

$result_set = mysqli_query($conn,$sql); //returns a non-zero value on success
```

ER Diagram:



## Acessibility Checker:

Level A		
8 issues on 1 pages		
▶ ● An element with a <code>role</code> that hides child elements contains focusable child elements.	<a href="#">WCAG 2.1 A 1.3.1</a> <a href="#">Section 508 (2017) A 1.3.1</a> <a href="#">ARIA 1.1 Presentational Children</a>	1 pages
▶ ● Each <code>a</code> element must contain text or an <code>img</code> with an <code>alt</code> attribute.	<a href="#">WCAG 2.1 A F89 Section 508 (2017) A F89</a>	1 pages
▶ ● HTML form control has no accessible name.	<a href="#">WCAG 2.1 A F68 Section 508 (2017) A F68</a>	1 pages
▶ ● <code>img alt</code> text must not use ASCII art (which includes smileys).	<a href="#">WCAG 2.1 A F72 Section 508 (2017) A F72</a>	1 pages
▶ ● Link uses general text like 'Click Here' with no surrounding text explaining link purpose.	<a href="#">WCAG 2.1 A F63 Section 508 (2017) A F63</a>	1 pages
▶ ● Removing the underline from links makes it hard for color-blind users to see them.	<a href="#">WCAG 2.1 A F73 Section 508 (2017) A F73</a>	1 pages
▶ ● The element <code>a</code> must not appear as a descendant of the <code>button</code> element.	<a href="#">HTML5 WCAG 2.1 A 4.1.1</a> <a href="#">Section 508 (2017) A 4.1.1</a>	1 pages
▶ ● The interactive element <code>a</code> must not appear as a descendant of the <code>button</code> element.	<a href="#">HTML5 WCAG 2.1 A 4.1.1</a> <a href="#">Section 508 (2017) A 4.1.1</a>	1 pages
Level AA		
3 issues on 1 pages		
▶ ● Ensure that text and background colors have enough contrast.	<a href="#">WCAG 2.1 AA 1.4.3</a> <a href="#">Section 508 (2017) AA 1.4.3</a>	1 pages
▶ ● Provide two or more ways to reach each page: via links, search, a site map or table of contents.	<a href="#">WCAG 2.1 AA 2.4.5</a> <a href="#">Section 508 (2017) AA 2.4.5</a>	1 pages
▶ ● The CSS outline or border style on this element makes it difficult or impossible to see the dotted link focus outline.	<a href="#">WCAG 2.1 AA F78</a> <a href="#">Section 508 (2017) AA F78</a>	1 pages
Level AAA		
2 issues on 1 pages		
▶ ● Avoid specifying a new window as the target of a link with <code>target= _blank</code> .	<a href="#">WCAG 2.1 AAA F22</a>	1 pages
▶ ● Ensure that text and background colors have a 7:1 contrast ratio.	<a href="#">WCAG 2.1 AAA 1.4.6</a>	1 pages
Expand all 13 issues		

## Resources:

<https://infinityfree.net/>

<https://www.formula1.com/en/teams.html>

<https://www.formula1.com/en/drivers/hall-of-fame.html>

<https://www.formula1.com/en/results.html/2021/drivers.html>

<https://www.formula1.com/en/results.html/2021/team.html>

[https://www.w3schools.com/howto/howto\\_js\\_countdown.asp](https://www.w3schools.com/howto/howto_js_countdown.asp)

<https://api.jquery.com/fadetoggle/>

<https://getbootstrap.com/docs/5.1/getting-started/introduction/>