**BLOOD BANK APP**

1. **Objective:** Making a simple blood request with basic HTML, CSS and JavaScript.
2. **Problem statements /challenges:** To make a simple blood request app that will only able to store and retrieve the contact information of registered blood donors for a patient in need.
3. **Software/Framework Required for the Development:**
4. **Node.js**
5. **Cordova**
6. **Bracket /sublime**
7. **Google chrome**
8. **Language used for the Development:**
9. **HTML**
10. **CSS**
11. **JavaScript**
12. **jQuery**
13. **List of Activities for developing the Projects**

HTML will be used to create the structure of these applications.

CSS will be used to apply styling to make the applications look nice and presentable.

Java script creates the functionality for the app and required HTML and CSS to be in place before it can do it’s thing.

They are like a canvas for JavaScript to work on.

Inside the <table> tag, we need to define the table rows <tr> which is basically going to be the horizontal section of the calculator and the table data <td> (table column cell) which is to contain the calculator display and buttons.

The first horizontal section of the calculator is to contain the display screen.

The second horizontal section is to contain the first set of buttons. The first one is 7, the second one is 8, the third is 9, and the fourth is the \* plus sign.

The third horizontal section also contains buttons! The first one is 4, the second one is 5, the third is 6, and the fourth is the - minus sign. And similarly other horizontal sections buttons!

The onclick attribute (onclick="pushBtn(this)) determines what is run when a click occurs. It causes a block of JavaScript code to run.

What inputLabel.innerHTML = eval (inputLabel.innerHTML) does is to interpret the value of the input as Javascript.

1. **Results and Discussion.** The donor registration is made and it is performing basic operation of storing and retrieving contact information of registered donors.
2. **Recommendations**. In future more functionality can be added with features to enable the viewing of health details of registered donors.
3. **Source CODE**

**1. HTML index.html**

**<!doctype html>**

**<html>**

**<head>**

**<title>mini project</title>**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<style>**

**body{**

**background-image:url("img/bloodcell3.jpg");**

**background-size:cover;**

**}**

**.ido{**

**position:absolute;**

**margin-left:1.8em;**

**}**

**ul**

**{**

**margin:0px;**

**padding:0px;**

**list-style:none;**

**}**

**ul li{**

**float:right;**

**width:15em;**

**height:3em;**

**background-color:black;**

**opacity:.8;**

**line-height:60px;**

**text-align:center;**

**font-size:20px;**

**}**

**ul li a{**

**text-decoration:none;**

**color:white;**

**display:block;**

**}**

**ul li a:hover{**

**background-color:red;**

**color:yellow;**

**}**

**ul li ul li{**

**display:none;**

**}**

**ul li:hover ul li{**

**display:block;**

**}**

**footer{**

**box-shadow: 0 5px 10px grey;**

**position:absolute;**

**top:80%;**

**padding:1%;**

**width:93%;**

**margin-left:2%;**

**background-color:black;**

**font-style:bold;**

**font-size:22px;**

**color:red;**

**height:3em;**

**background-image: linear-gradient(to right, rgba(255,0,0,0), rgba(255,0,0,1));**

**}**

**.button {**

**box-shadow: 0 5px 10px black;**

**background-color: #4CAF50;**

**border: none;**

**color: white;**

**padding: 15px 32px;**

**text-align: center;**

**text-decoration: none;**

**display: inline-block;**

**font-size: 16px;**

**margin: 4px 2px;**

**cursor: pointer;**

**position:absolute;**

**top:80%;**

**margin-left:15em;**

**}**

**.button:hover**

**{**

**background-color:white;**

**color:red;**

**}**

**.button1:hover**

**{**

**background-color:white;**

**color:red;**

**}**

**.button2:hover**

**{**

**background-color:white;**

**color:red;**

**}**

**.button1 {**

**background-color: #4CAF50;**

**box-shadow: 0 5px 10px black;**

**border: none;**

**color: white;**

**padding: 15px 32px;**

**text-align: center;**

**text-decoration: none;**

**display: inline-block;**

**font-size: 16px;**

**margin: 4px 2px;**

**cursor: pointer;**

**position:absolute;**

**top:36%;**

**margin-left:auto;**

**}**

**.button2 {**

**background-color: #4CAF50;**

**box-shadow: 0 5px 10px black;**

**border: none;**

**color: white;**

**padding: 15px 32px;**

**text-align: center;**

**text-decoration: none;**

**display: inline-block;**

**font-size: 16px;**

**margin: 4px 2px;**

**cursor: pointer;**

**position:absolute;**

**top:63%;**

**margin-left:auto;**

**}**

**@keyframes shake {**

**0% { transform: translate(5px, 5px);}**

**10% { transform: translate(-5px, -5px) ; }**

**20% { transform: translate(5px, 5px) ; }**

**30% { transform: translate(-5px,-5px) ; }**

**40% { transform: translate(5px, 5px) ; }**

**50% { transform: translate(-5px, -5px) ; }**

**60% { transform: translate(5px, 5px) ; }**

**70% { transform: translate(-5px, -5px) ; }**

**80% { transform: translate(5px, 5px) ; }**

**90% { transform: translate(-5px, -5px) ; }**

**100% { transform: translate(5px, 5px) ; }**

**}**

**.icon1{**

**box-shadow: 0 5px 10px black;**

**border-radius:90%;**

**position:absolute;**

**top:15%;**

**margin-left:1.7em;**

**}**

**.icon2{**

**border-radius:90%;**

**width: 200px;**

**position:absolute;**

**top:43%;**

**margin-left:0.8em;**

**box-shadow: 0 5px 10px black;**

**}**

**.heading{**

**margin-left:1.8em;**

**}**

**.heading p1**

**{**

**position:absolute;**

**top:175%;**

**font-size:15px;**

**margin-left:16%;**

**}**

**.heading p3 a{**

**text-decoration:none;**

**color:white;**

**}**

**.heading p2**

**{**

**position:absolute;**

**top:100%;**

**margin-left:62%;**

**font-size:15px;**

**}**

**.heading p1 a{**

**text-decoration:none;**

**color:white;**

**}**

**.heading p2 a{**

**text-decoration:none;**

**color:white;**

**}**

**.icon{**

**position:absolute;**

**top:40%;**

**margin-left:18%;**

**border-radius:90%;**

**box-shadow: 2px 5px 10px black;**

**}**

**.icon1:hover {**

**animation: shake 1s infinite;**

**}**

**.icon:hover {**

**animation: shake 1s infinite;**

**}**

**.icon2:hover {**

**animation: shake 1s infinite;**

**}**

**</style>**

**</head>**

**<body>**

**<div class="header">**

**<div class="ido">**

**<img src="img/blood1.jpg" height=65px width=210px/>**

**</div>**

**<div class="icons">**

**<a href=""><img class="icon1" src="img/icon2.jpg" height=200px/></a><br>**

**<a href=""><img class="icon2" src="img/icon3.jpg" height=200px/></a><br>**

**</div>**

**<div class="heading">**

**<p1><a href="NEW DONAR"></a></p1>**

**<a href="newdonar.html" class="button2">NEW DONOR</a>**

**<p2><a href="PATIENT FORM"></a></p2><br>**

**<a href="patfrm.html" class="button1">PATIENT FORM</a>**

**</div>**

**<footer>**

**<div class=ending>**

**<p>WHEN MONEY CANT SAVE LIVES<br> BLOOD DOES.</p>**

**</div>**

**</footer>**

**<div class=end1>**

**</div>**

**</div>**

**</body>**

**</html>**

**2.Newdonor.html**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<style>**

**body{**

**background-image: url("img/mini11.png");**

**background-repeat: no-repeat;**

**background-size: cover;**

**}**

**.but input{**

**text-align: left;**

**display: inline;**

**border: none;**

**}**

**p{**

**font-size: 20px;**

**}**

**header{**

**padding: 20px;**

**width:100%;**

**background-color: rgba(57.65,0,0,0.6);**

**color: white;**

**text-align: center;**

**font-size:40px;**

**position: absolute;**

**}**

**.form1{**

**position: absolute;**

**top:7em;**

**padding: 10px;**

**background-color: rgba(100,28.24,28.24,0.7);**

**box-shadow: 2px 5px 10px black;**

**margin-left: auto;**

**width: auto;**

**}**

**h1{**

**text-align: center;**

**}**

**.form1 input[type=text],**

**.form1 input[type=date],**

**.form1 input[type=password],**

**.form1 input[type=number],**

**.form1 input[type=email]**

**{**

**width:20em;**

**height: 2em;**

**border-radius: 5em;**

**text-align: center;**

**font-size: 20px;**

**}**

**.form1 input[type=radio]**

**{**

**width:3em;**

**height: 1em;**

**font-size: 20px;**

**}**

**.form1 input[type=submit]**

**{**

**width:15em;**

**height: 4em;**

**border-radius: 5em;**

**text-align: center;**

**font-size: 18px;**

**position: absolute;**

**top: 55em;**

**margin-left: 15%;**

**cursor: pointer;**

**}**

**select{**

**width:100%;**

**padding: 10px;**

**text-align:center;**

**}**

**</style>**

**<script type="text/javascript" src="js/jq.js"></script>**

**</head>**

**<body>**

**<header>DONOR REGISTRATION</header>**

**<div class="form1">**

**<form >**

**<p> Email ID:</p><br>**

**<input type="text" id="mailid" placeholder="EMAIL ID" required>**

**<br><br>**

**<p>Donor name:<br></p>**

**<input type="text" id="name" placeholder="ENTER NAME"required>**

**<br>**

**<p>Gender:<br></p>**

**<div class="but">**

**MALE:<input type="radio" name="gender" value="male" required>**

**FEMALE <input type="radio" name="gender" value="female"required>**

**OTHER <input type="radio" name="gender" value="other" required>**

**</div>**

**<br>**

**<p>Date Of Birth:<br></p>**

**<input type="date" id="dob" required>**

**<br>**

**<p>Contact number:<br></p>**

**<input pattern=".{10}" type="number" id="number" placeholder="ENTER VALID PHONE NUMBER" required>**

**<br>**

**<p>select blood group:<br></p>**

**<select id="blood\_group">**

**<option value=""required>---CHOOSE YOUR BLOOD GROUP---</option>**

**<option value="A+">A+</option>**

**<option value="A-">A-</option>**

**<option value="B+">B+</option>**

**<option value="B-">B-</option>**

**<option value="AB+">AB+</option>**

**<option value="AB-">AB-</option>**

**<option value="O+">O+</option>**

**<option value="O-">O-</option>**

**</select>**

**<br><br>**

**<button type="submit" id="NDsubmit">register</button>**

**</form>**

**</div>**

**</body>**

**<script type="text/javascript" src="js/index.js"> </script>**

**</html>**

**3.Patfrm.html**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<meta name="viewport" content="width=device-width, initial-scale=1.0" />**

**<meta http-equiv="content-type" content="text/html; charset=windows-1252">**

**<style>**

**header {**

**text-shadow: 4px 4px 10px black;**

**text-align: center;**

**background-color: red;**

**color: oldlace;**

**padding: 20px;**

**font-size:40px;**

**font-family:helvetica;**

**width:100%;}**

**body{**

**background-image: url("img/pic.jpg");**

**background-repeat: no-repeat;**

**background-size: cover;**

**background-attachment:inherit;**

**}**

**.controls label {**

**display: inline-block;**

**width: 130px;**

**height: 20px;**

**text-align: center;**

**vertical-align: top;**

**padding-top: 40px;**

**}**

**.controls input {**

**display: block;**

**margin: 0 auto -40px;**

**}**

**p{**

**font-size: 20px;**

**}**

**.form1{**

**position: absolute;**

**top:7em;**

**padding: 10px;**

**background-color: rgba(256,256,256,0.5);**

**box-shadow: 2px 5px 10px black;**

**margin: auto;**

**width: auto;**

**}**

**h1{**

**text-align: center;**

**}**

**.form1 input[type=text],**

**.form1 input[type=date],**

**.form1 input[type=datetime-local],**

**.form1 input[type=password],**

**.form1 input[type=number],**

**.form1 input[type=email]**

**{**

**width:20em;**

**height: 2em;**

**border-radius: 5em;**

**text-align: center;**

**font-size: 20px;**

**}**

**.form1 input[type=radio]**

**{**

**width:3em;**

**height: 1em;**

**font-size: 20px;**

**}**

**.form1 input[type=submit]**

**{**

**width:15em;**

**height: 4em;**

**border-radius: 5em;**

**text-align: center;**

**font-size: 18px;**

**position: absolute;**

**top: 60em;**

**margin-left: 15%;**

**cursor: pointer;**

**}**

**select{**

**width:100%;**

**padding: 10px;**

**text-align:center;**

**}**

**</style>**

**<script type="text/javascript" src="js/jq.js"></script>**

**</head>**

**<body>**

**<header>BLOOD REQUEST</header>**

**<div class="form1">**

**<form >**

**<p>Patient name:</p><br>**

**<input type="text" id="name" placeholder="enter name" required>**

**<br>**

**<p>Contact number:</p><br>**

**<input type="number" id="number" placeholder="enter number" required >**

**<br>**

**<p>select blood group:</p><br>**

**<select id="blood\_group" required>**

**<option value="A+" selected="selected">A+</option>**

**<option value="A-">A-</option>**

**<option value="B+">B+</option>**

**<option value="B-">B-</option>**

**<option value="AB+">AB+</option>**

**<option value="AB-">AB-</option>**

**<option value="O+">O+</option>**

**<option value="O-">O-</option>**

**</select>**

**<br><br>**

**<BUTTON type="BUTTON" id="btsearch">Search FOR BLOOD</BUTTON>**

**<div id="results"></div>**

**</form>**

**</div>**

**</body>**

**<script type="text/javascript" src="js/search.js"> </script>**

**</html>**

1. **javaScript**

**1.index.js**

**var createStatement = "CREATE TABLE IF NOT EXISTS Donors (email varchar(25) PRIMARY KEY,name TEXT ,gender TEXT,dob DATE,phone NUMBER ,bgrp VARCHAR(4))";**

**var insertStatement = "INSERT INTO Donors (email ,name ,gender ,dob ,phone ,bgrp) VALUES (?,?,?,?,?,?)";**

**var db = openDatabase("BloodBank", "1.0", "Blood Bank", 200000); // Open SQLite Database**

**function initDatabase() // Function Call When Page is ready.**

**{**

**try {**

**if (!window.openDatabase) // Check browser is supported SQLite or not.**

**{**

**alert('Databases are not supported in this Device.');**

**}**

**else {**

**createTable(); // If supported then call Function for create table in SQLite**

**}**

**}**

**catch (e) {**

**if (e == 2) {**

**// Version number mismatch.**

**console.log("Invalid database version.");**

**} else {**

**console.log("Unknown error " + e + ".");**

**}**

**return;**

**}**

**}**

**function createTable() // Function for Create Table in SQLite.**

**{**

**db.transaction(function (tx) { tx.executeSql(createStatement); });**

**}**

**function insertRecord() // Get value from Input and insert record . Function Call when Register Button is Clicked**

**{**

**var emailtemp = $('#mailid').val();**

**var nametemp = $('input:text[id=name]').val();**

**var gentemp = $('input[name="gender"]:checked').val();**

**var dobtemp = $('#dob').val();**

**var numtemp = $('#number').val();**

**var bgrptemp = $("#blood\_group").val();**

**db.transaction(function (tx) { tx.executeSql(insertStatement, [emailtemp, nametemp, gentemp, dobtemp, numtemp, bgrptemp], loadAndReset, onError); });**

**}**

**function loadAndReset() //Function for Load and Reset...**

**{**

**alert("Donor Registered !!!");**

**resetForm();**

**}**

**function resetForm() // Function for reset form input values.**

**{**

**$("#name").val("");**

**$("#number").val("");**

**}**

**function onError(tx, error) // Function for Hendeling Error...**

**{**

**alert(error.message);**

**}**

**$(document).ready(function () // Call function when page is ready for loading**

**{**

**;**

**initDatabase();**

**$("#NDsubmit").click(insertRecord); // Register Event Listener when button click.**

**});**

**2.Search.js**

**var db = openDatabase("BloodBank", "1.0", "Blood Bank", 200000); // Open SQLite Database**

**var searchStatement = "SELECT name,phone,email FROM Donors where bgrp=?";**

**var dataset;**

**var DataType;**

**function searchRecord() // Get value from Patient and search blood availability**

**{**

**var nametemp = $('input:text[id=name]').val();**

**var numtemp = $('#number').val();**

**var bgrptemp = $("#blood\_group").val();**

**db.transaction(function (tx) { tx.executeSql(searchStatement, [bgrptemp],showRecords,onError); });**

**}**

**function onError(tx, error) // Function for Handling Error...**

**{**

**alert(error.message);**

**}**

**function showRecords(tx,response) // Function For Retrive data from Database Display records as list**

**{**

**$("#results").html('')**

**//var output = document.getElementById('results');**

**var temp = "<table border=\"1\"><tr><th>Name</th><th>Contact NO.</th><th>email</th></tr>";**

**alert(response.rows.length);**

**for(var i=0; i<response.rows.length; i++) {**

**temp =temp + '<tr><td>' + response.rows.item(i)['name'] + '</td><td>' + response.rows.item(i)['phone'] + '</td><td>' + response.rows.item(i)['email'] + '</td></tr>';**

**}**

**$("#results").append(temp);**

**// output.innerHTML=temp;**

**}**

**$(document).ready(function () // Call function when page is ready for loading**

**{**

**;**

**// initDatabase();**

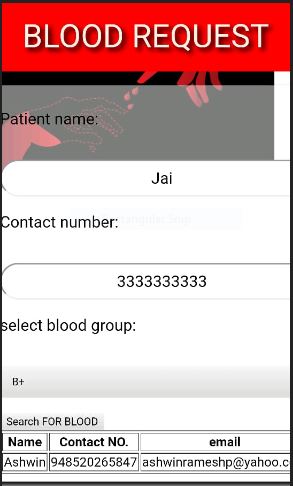
**$("#btsearch").click(searchRecord); // Register Event Listener when button click.**

**});**

1. **Images of the Projects**

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Designed and Coded By:

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2.Bindu M

3.Anagha R

4.Divya