**CSEE 5590-0002/COMP-SCI 490-0002: Web/Mobile Programming**

**Web Lab - Source Code – Lab1**

**Team id – 3**

**Team Members – Roshna Toke (23)**

**Manaswini Vedula(24)**

**Yamini Saraswathi Bommineni(3)**

**Task-1 : MOOC**

1. **Login.html**
2. <!DOCTYPE html>  
     
   <html lang="en">  
     
   <head>  
     
    <meta charset="UTF-8">  
     
    <title>Login</title>  
     
     
     
    <meta name="viewport" content="width=device-width, initial-scale=1">  
     
    <style>  
     
    .lbutton  
     
    {  
     
    background-color:mediumpurple;  
     
    color: white;  
     
    }  
     
     
     
    .blink {  
     
    background:none**!important**;  
     
    color:inherit;  
     
    border:none;  
     
    padding:0**!important**;  
     
    font: inherit;  
     
    /\*border is optional\*/  
     
    border-bottom:1px solid #444;  
     
    cursor: pointer;  
     
    font-weight: bold;  
     
    }  
     
    .ast:after{  
     
    content:" \*";  
     
    font-weight: bold;  
     
    color: red;  
     
    }  
     
     
     
    </style>  
     
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
     
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
     
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>  
     
    <script>  
     
    var ***app*** = angular.module('myApp', []);  
     
    ***app***.controller('initCtrl',['$scope', '$window', function($scope,$window) {  
     
    $scope.users=[  
     
    {username:'Yamini',password:'Yamini@123'},  
     
    {username:'Manaswini',password:'Manaswini@123'},  
     
    {username:'Roshna',password:'Roshna@123'},  
     
    {username:'Nagababu', password:'Nagababu@123'}  
     
    ];  
     
    $scope.err\_msg='';  
     
    $scope.url=$window.location.href;  
     
    $scope.url=$scope.url.substring(0,$scope.url.indexOf('Login.html'))  
     
    $scope.login = function() {  
     
    i=0;  
     
     
     
    for (;i< $scope.users.length;i++)  
     
    {  
     
    if($scope.myName==$scope.users[i].username && $scope.myPassword==$scope.users[i].password)  
     
    {  
     
    $scope.err\_msg='';  
     
    $scope.url=$scope.url+'Home.html?user='+$scope.myName;  
     
    $window.location.href =$scope.url;  
     
    break;  
     
    }  
     
    }  
     
    if(i==$scope.users.length)  
     
    {  
     
    $scope.err\_msg='Invalid Login Credentials';  
     
    }  
     
     
     
     
     
    }  
     
    $scope.guestuser = function() {  
     
    $scope.url=$scope.url+'Home.html?user=Guest';  
     
    $window.location.href =$scope.url;;  
     
    }  
     
    $scope.signup = function() {  
     
    $scope.url=$scope.url+'Signup.html';  
     
    $window.location.href =$scope.url;;  
     
    }  
     
    }]);  
     
    </script>  
     
     
     
   </head>  
     
   <body ng-app="myApp" ng-controller="initCtrl" style="background: lavenderblush" >  
     
     
     
   <div class="container" ng-init="myCol='red'" >  
     
    <div class="row">  
     
    <div class="offset-2 col-8">  
     
    <img src="header.jpg" alt="MOOC" style="width: inherit" height="400">  
     
    </div>  
     
    </div>  
     
     
     
    <form ng-model="myForm" name="myForm" method="get" ng-submit="login()" style="margin-top: 4%; border-style: solid; padding-top: 2%;padding-bottom: 1%" class="offset-3 col-6 lform" >  
     
    <div class="row">  
     
    <div class=" offset-2 col-10">  
    <label class="ast"><strong> Username</strong></label><br>  
    <input ng-model="myName" name="myName" type="text" maxlength="50" class="col-8" placeholder="Enter the Username" required>  
    <h6 ng-show="myForm.myName.$touched && myForm.myName.$invalid" style="color:{{myCol}}">Username is required.</h6>  
    </div>  
     
    </div>  
     
    <div class="row">  
     
    <div class="offset-2 col-10">  
     
    <label class="ast"><strong> Password</strong></label><br>  
    <input ng-change="validate\_password()" ng-model="myPassword" name="myPassword" type="password" maxlength="20" class="col-8" placeholder="Enter the Password" required>  
    <h6 ng-show="myForm.myPassword.$touched && myForm.myPassword.$invalid" style="color:{{myCol}}">Password is required.</h6>  
    <h6 style="color:{{myCol}}">{{err\_msg}}</h6>  
     
    </div>  
     
    </div>  
     
    <div class="row">  
     
    <div class="offset-2 col-10">  
     
    <input type="submit" value="Login" class=" col-3 lbutton" style="margin-top: 4%">  
    <input type="button" value="SignUp" ng-click="signup()" class="offset-2 col-3 lbutton" style="margin-top: 4%">  
    <div style="margin-top: 4%" class="offset-2" >  
     
    <input type="button" class="col-5 blink" ng-click="guestuser()" value="Guest User">  
     
    </div>  
     
     
     
     
     
    </div>  
     
    </div>  
     
     
     
    </form>  
     
     
     
   </div>  
     
     
     
   </body>  
     
   </html>

**Signup.html**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>Signup</title>  
  
  
  
 <meta name="viewport" content="width=device-width, initial-scale=1">  
  
 <style>  
  
 .lbutton  
  
 {  
  
 background-color:black;  
  
 color: white;  
  
 }  
  
 a:hover{  
  
 color: black;  
  
 }  
  
 a {  
  
 display:block;  
  
 }  
  
 .blink {  
  
 background:none**!important**;  
  
 color:inherit;  
  
 border:none;  
  
 padding:0**!important**;  
  
 font: inherit;  
  
 /\*border is optional\*/  
  
 border-bottom:1px solid #444;  
  
 cursor: pointer;  
  
 }  
  
  
  
 /\*.lform  
  
 {  
  
 background-color: deepskyblue;  
  
 }\*/  
  
 </style>  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>  
  
 <script>  
  
 var ***app*** = angular.module('myApp', []);  
  
 ***app***.controller('initCtrl',['$scope', '$window', function($scope,$window) {  
  
 $scope.users=[  
  
 {username:'SravanKumar',password:'12345@SK'},  
  
 {username:'Nagarjuna',password:'12345@NG'},  
  
 {username:'Sushmanth',password:'12345@SM'},  
  
 {username:'Sindhusha', password:'12345@SS'}  
  
 ];  
  
 $scope.err\_msg='';  
  
 $scope.url=$window.location.href;  
  
 $scope.url=$scope.url.substring(0,$scope.url.indexOf('Signup.html'))  
  
 $scope.signup = function() {  
  
 i=0;  
  
 for (;i< $scope.users.length;i++)  
  
 {  
  
 if($scope.myName==$scope.users[i].username)  
  
 {  
  
 $scope.err\_msg='User with same username exists already';  
  
 // $window.location.href = 'C://Users//Aparna Manda//WebstormProjects/LabAssignment1/Home.html';  
  
 break;  
  
 }  
  
 }  
  
 if(i==$scope.users.length)  
  
 {  
  
 $scope.err\_msg=' ';  
  
 }  
  
 $scope.url=$scope.url+'Login.html';  
  
 $window.location.href =$scope.url;;  
  
 }  
  
 }]);  
  
 </script>  
  
  
  
</head>  
  
<body ng-app="myApp" ng-controller="initCtrl" style="background: lavenderblush" >  
  
  
  
<div class="container" ng-init="myCol='red'" >  
  
 <div class="offset-2 col-8">  
  
 <img src="header.jpg" alt="MOOC" style="width: inherit" height="300">  
  
 </div>  
  
  
  
 <form ng-model="myForm" name="myForm" method="get" ng-submit="login()" style="margin-top: 4%; border-style: solid; padding-top: 5%;padding-bottom: 5%" class="offset-3 col-6 lform" >  
  
 <div class=" offset-2 col-10">  
  
 <label><strong> Username</strong></label><br>  
  
 <input ng-model="myName" name="myName" type="text" maxlength="50" class="col-8" placeholder="Enter the Username" required>  
  
 <h6 ng-show="myForm.myName.$touched && myForm.myName.$invalid" style="color:{{myCol}}">Username is required.</h6>  
  
  
  
 </div>  
  
 <div class="offset-2 col-10">  
  
 <label><strong> Password</strong></label><br>  
  
 <input ng-change="validate\_password()" ng-model="myPassword" name="myPassword" type="password" maxlength="20" class="col-8" placeholder="Enter the Password" required>  
  
 <h6 ng-show="myForm.myPassword.$touched && myForm.myPassword.$invalid" style="color:{{myCol}}">Password is required.</h6>  
  
 <h6 style="color:{{myCol}}">{{err\_msg}}</h6>  
  
 </div>  
  
 <div class="offset-2 col-10">  
  
 <input type="button" value="SignUp" ng-click="signup()" class="offset-2 col-3 lbutton" style="margin-top: 4%">  
  
 </div>  
  
  
  
 </form>  
  
</div>  
  
  
  
</body>  
  
</html>

**Home.html**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>Home</title>  
  
 <meta name="viewport" content="width=device-width, initial-scale=1 shrink-to-fit=no">  
  
 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">  
  
  
  
 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>  
  
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
 <!--<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">  
  
 <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js"></script>-->  
  
 <style>  
  
 .hd{  
  
 color: black;  
  
 font-weight: bold;  
  
 }  
  
 a{  
  
 color: floralwhite;  
  
 font-weight: bold;  
  
 }  
  
 li{  
  
 margin-top: 20%;  
  
 margin-bottom: 20%;  
  
 }  
  
 ul  
  
 {  
  
 list-style-type: none;  
  
 /\*\*/  
  
 height: 90%;  
  
 }  
  
 .dropdown {  
  
 position: relative;  
  
 display: inline-block;  
  
 }  
  
 .dropdown-content {  
  
 display: block;  
  
 position: absolute;  
  
 font-size:160%;  
  
 background-color: #f1f1f1;  
  
 min-width: 250px;  
  
 max-height: 200px;  
  
 overflow: auto;  
  
 box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);  
  
 z-index: 1;  
  
  
  
 }  
  
 .category  
  
 {  
  
 top:170px;  
  
 left:170px;  
  
 }  
  
 .order  
  
 {  
  
 top:105px;  
  
 left:210px;  
  
 }  
  
 .dropdown-content a {  
  
 color: black;  
  
 font-size:40%;  
  
 text-decoration: none;  
  
 display: block;  
  
 margin-top: 0%;  
  
 margin-bottom: 0%;  
  
 }  
  
  
  
 </style>  
  
 <script>  
  
 var ***app*** = angular.module('myapph', []);  
  
 ***app***.controller('initCtrl',['$scope', '$window', function($scope,$window) {  
  
 $scope.url = ***window***.location.href;  
  
 $scope.log\_url=$scope.url.substring(0,$scope.url.indexOf('Home.htm'))+'Login.html';  
  
 $scope.user = $scope.url.substring($scope.url.indexOf('user=')+5,$scope.url.length);  
  
 $scope.load\_content = function(evt) {  
  
 ***console***.log(evt);  
  
 switch (evt) {  
  
  
  
 case 'P':$scope.p\_link="Profile.html?user="+$scope.user;  
  
 ***document***.getElementById("loadcontent").innerHTML='<object width="1260" height="620" type="text/html" data='+$scope.p\_link+' ></object>';  
  
 ***document***.title='My Profile'  
  
 break;  
  
  
  
 case 'R':***document***.getElementById("loadcontent").innerHTML='<object width="1260" height="620" type="text/html" data="Recently%20Enrolled.html" ></object>';  
  
 ***document***.title='Recently Enrolled';  
  
 $scope.Order=false;  
  
 break;  
  
  
  
 case 'A':***document***.getElementById("loadcontent").innerHTML='<object width="1260" height="620" type="text/html" data="Enrolled%20Courses%20till%20Date.html" ></object>';  
  
 ***document***.title='Enrolled Courses till Date';  
  
 $scope.Order=false;  
  
 break;  
  
  
  
 case 'F':$scope.c\_link="Software.html?user="+$scope.user;  
  
 //document.getElementById("loadcontent").innerHTML='<object width="1260" height="620" type="text/html" data="Computer Science.html" ></object>';  
  
 ***document***.getElementById("loadcontent").innerHTML='<object width="1260" height="620" type="text/html" data='+$scope.c\_link+' ></object>';  
  
 ***document***.title='Software Development';  
  
 $scope.Category=false;  
  
 break;  
  
  
  
 case 'S':$scope.EE\_link="Hardware.html?user="+$scope.user;  
  
 ***document***.getElementById("loadcontent").innerHTML='<object width="1260" height="620" type="text/html" data='+$scope.EE\_link+' ></object>';  
  
 ***document***.title='Hardware';  
  
 $scope.Category=false;  
  
 break;  
  
  
  
 }  
  
  
  
  
  
 }  
  
  
  
 }]);  
  
 </script>  
  
</head>  
  
<body ng-app="myapph" ng-controller="initCtrl">  
  
<div class="container-fluid" ng-init="Order=false Category=false" >  
  
 <div class="row hd" style="background-color: blueviolet; color:floralwhite; padding-top: 1%;padding-bottom: 1%; font-size:130%">  
  
 <p style = "font-family : verdana ; font-size : 200%"> Course Hub </p>  
  
  
 <span class = "offset-sm-7 offset-md-5 col-1">Hi {{user}}</span>  
  
 <!--<span class = "col-1 fa fa-shopping-cart fa-lg" style="margin-top: 0.5%; margin-bottom: 0.5%" ></span>-->  
  
 <a class = "col-sm-2 col-md-1 " href="{{log\_url}}"><u>Logout</u></a>  
  
 </div>  
  
 <div class="row">  
  
 <div class="col-2" style="background-color: blueviolet;">  
  
 <ul id="UL1" class="dropdown" style="font-size: x-large;">  
  
 <li >  
  
 <a ng-click="load\_content('P')" href="#" > My Profile</a>  
  
 </li>  
  
 <li>  
  
 <a ng-click="Category=false;Order=!Order" href="#">My Courses <i class="fa fa-caret-right"></i></a>  
  
 <ul ng-show="Order" class="dropdown-content order">  
  
 <li><a ng-click="load\_content('R')" href="#">Recently Enrolled</a></li>  
  
 <li><a ng-click="load\_content('A')" href="#">Enrolled Courses till Date</a></li>  
  
 </ul>  
  
 </li>  
  
  
  
 <li>  
  
 <a href="#" ng-click="Order=false;Category=!Category">Explore <i class="fa fa-caret-right"></i></a>  
  
 <ul ng-show="Category" class="dropdown-content category">  
  
 <li><a ng-click="load\_content('F')" href="#">Software Development</a></li>  
  
 <li><a ng-click="load\_content('S')" href="#">Hardware</a></li>  
  
  
  
 </ul>  
  
  
  
 </li>  
  
 </ul>  
  
 </div>  
  
  
  
 <div class="col-10" id="loadcontent" style="margin-right: 0%;margin-left: 0;padding-left: 0;padding-right: 0">  
  
  
  
 <div style="position: relative;width:100%">  
  
 <img src="homebg1.jpg" alt="background">  
  
 <div style="position: absolute;top:3%;left:3%;width:95%"><h1 style="font-family: 'sans-serif'; color: mediumpurple"><strong> Welcome to CourseHub !! </strong></h1>  
  
 <h3 ><em>Your Course to Success... Build skills with our courses</em></h3>  
  
 </div>  
  
 </div>  
  
  
  
  
  
  
  
 </div>  
  
 </div>  
  
</div>  
  
</div>  
  
<script>  
  
  
  
 /\* $( window ).resize(function() {  
  
 var height=window.innerHeight;  
  
 console.log(height)  
  
 height=height-110;  
  
 height=height.toString()+'px';  
  
 document.getElementById("UL1").style.minHeight = height;  
  
 });  
  
 var height=window.innerHeight;  
  
 console.log(document.getElementById("UL1"))  
  
 height=height-110;  
  
 height=height.toString()+'px';  
  
 document.getElementById("UL1").style.minHeight = height;\*/  
  
</script>  
  
</body>  
  
</html>

**Profile.html**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>My Profile</title>  
  
  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
 <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>  
  
 <script>  
  
 var ***app*** = angular.module('myprofile', []);  
  
 ***app***.controller('initCtrl',['$scope', '$window', function($scope,$window) {  
  
 $scope.url = ***window***.location.href;  
  
 $scope.user = $scope.url.substring($scope.url.indexOf('user=')+5,$scope.url.length);  
  
  
  
 if($scope.user.indexOf('Yamini')>=0)  
  
 {  
 ***console***.log(1)  
  
 ***document***.getElementById("disp\_pic").innerHTML='<img src=y.jpg width=200px height=250px>';  
  
 ***document***.getElementById("info").innerHTML='<strong>Username : </strong>Yamini Saraswathi<br><br><strong>E-mail : </strong>yamini@gmail.com<br><br><strong>Contact : </strong>9163153253';  
 }  
  
 else if($scope.user.indexOf('Manaswini')>=0)  
  
 {  
 ***document***.getElementById("disp\_pic").innerHTML='<img src=m.jpg width=200px height=250px>'  
  
 ***document***.getElementById("info").innerHTML='<strong>Username : </strong>Manaswini Vedula<br><br><strong>E-mail : </strong>manaswini@gmail.com<br><br><strong>Contact : </strong>8169167345';  
  
 }  
  
 else if($scope.user.indexOf('Roshna')>=0)  
  
 {  
  
 ***document***.getElementById("disp\_pic").innerHTML='<img src=r.jpg width=200px height=250px>'  
  
 ***document***.getElementById("info").innerHTML='<strong>Username : </strong>Roshna Toke<br><br><strong>E-mail : </strong>roshna@gmail.com<br><br><strong>Contact : </strong>9134567353';  
  
  
  
 }else if($scope.user.indexOf('Nagababu')>=0)  
  
 {  
  
 ***document***.getElementById("disp\_pic").innerHTML='<img src=n.jpg width=200px height=250px>'  
  
 ***document***.getElementById("info").innerHTML='<strong>Username : </strong>Nagababu Chilukuri<br><br><strong>E-mail : </strong>nagababu@gmail.com<br><br><strong>Contact : </strong>8165887389';  
  
  
  
 }  
  
 }]);  
  
 </script>  
  
</head>  
  
<body ng-app="myprofile" ng-controller="initCtrl" >  
  
<h2>  
  
 My Profile<br><br></h2>  
  
  
  
<div class="container-fluid">  
  
 <div class="row">  
  
 <div class="offset-0 col-6" id="disp\_pic">  
  
 </div>  
  
 </div>  
  
 <h2>Contact Information</h2>  
  
 <div class="row">  
  
  
  
 <div class="offset-0 col-6" id="info">  
  
  
  
 </div>  
  
 </div>  
  
</div>  
  
  
  
  
  
</body>  
  
</html>

**Software.html**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>Software Development</title>  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>  
  
  
  
 <style>  
  
 .noshow  
  
 {  
  
 display:none;  
  
 }  
  
  
  
 </style>  
  
  
  
</head>  
  
<body >  
  
<h2 >Software Development  
  
</h2><br>  
  
<div id="select" align="center">  
  
 <label style="font-size: x-large;font-weight: bold">Course Level: </label>  
  
 <select id="s" style="font-size: large ;width:20% ;align: center">  
  
 <option value="G" selected>Advanced</option>  
  
 <option value="U">Basic</option>  
  
  
  
 </select>  
  
</div>  
  
<br><br>  
  
<div class="table-responsive" id="G">  
  
 <table class="table" border="1" cellspacing="0" cellpadding="10" style="text-align: center" align="center">  
  
 <tr style="background-color: lightgrey;color: steelblue">  
  
 <th></th>  
  
 <th>Course Title</th>  
  
 <th>Offered by</th>  
  
 <th>Duration</th>  
  
 <th>Level</th>  
  
 <th>Rating</th>  
  
 <th>Students Enrolled till Date</th>  
  
 <th>Seats remainining</th>  
  
 <th class="disp"></th>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="python.png" width="50" height="50"></td>  
  
 <td>Python</td>  
  
 <td>  
 University of Michigan  
  
 </td>  
  
 <td>  
  
 48 hours  
  
 </td>  
  
 <td>  
  
 Mixed  
  
 </td>  
  
 <td>  
  
 4.4  
  
 </td>  
  
 <td>2.3 Million</td>  
  
 <td>18</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'NA')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="java.png" width="50" height="50"></td>  
  
 <td>Java</td>  
  
 <td>  
  
 IBM  
  
 </td>  
  
 <td>  
  
 65 hours  
  
 </td>  
  
 <td>  
  
 Intermediate  
  
 </td>  
  
 <td>  
  
 4.2  
  
 </td>  
  
 <td>3.5 Million</td>  
  
 <td>23</td>  
  
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 <tr>  
  
 <td><img src="C%20sharp.jpg" width="50" height="50"></td>  
  
 <td>C Sharp</td>  
  
 <td>  
  
 University of Texas  
  
 </td>  
  
 <td>  
  
 56 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.6  
  
 </td>  
  
 <td>3.5 Million</td>  
  
 <td>32</td>  
  
 <td class="disp"></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="web.jpg" width="50" height="50"></td>  
  
 <td>Web Development</td>  
  
 <td>  
  
 University of Alberta  
  
 </td>  
  
 <td>  
  
 72 hours  
  
 </td>  
  
 <td>  
  
 Mixed  
  
 </td>  
  
 <td>  
  
 4.5  
  
 </td>  
  
 <td>5.5 Million</td>  
  
 <td>16</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'CC')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="Database.jpg" width="50" height="50"></td>  
  
 <td>Database Management</td>  
  
 <td>  
  
 Stanford University  
  
 </td>  
  
 <td>  
  
 44 hours  
  
 </td>  
  
 <td>  
  
 Intermediate  
  
 </td>  
  
 <td>  
  
 3.9  
  
 </td>  
  
 <td>3.2 Million</td>  
  
 <td>25</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'FSS')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 </table>  
  
</div>  
  
<div class="noshow table-responsive" id="U" >  
  
 <!---------------------------------------------------------------------------->  
  
 <table class="table" border="1" cellspacing="0" cellpadding="10" style="text-align: center" align="center">  
  
 <tr style="background-color: lightgrey;color: steelblue">  
  
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 <th>Course Title</th>  
  
 <th>Offered by</th>  
  
 <th>Duration</th>  
  
 <th>Level</th>  
  
 <th>Rating</th>  
  
 <th>Students Enrolled till Date</th>  
  
 <th>Seats remainining</th>  
  
 <th class="disp"></th>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="C.jpg" width="50" height="50"></td>  
  
 <td>C Programming</td>  
  
 <td>  
  
 Texas A&M University  
  
 </td>  
  
 <td>  
  
 32 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.6  
  
 </td>  
  
 <td>3.8 Million</td>  
  
 <td>30</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'C')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="OS.jpg" width="50" height="50"></td>  
  
 <td>Operating Systems</td>  
  
 <td>  
  
 University of Southern California  
  
 </td>  
  
 <td>  
  
 45 hours  
  
 </td>  
  
 <td>  
  
 Intermediate  
  
 </td>  
  
 <td>  
  
 4.2  
  
 </td>  
  
 <td>4.1 Million</td>  
  
 <td>28</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'OS')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
 <tr>  
  
 <td><img src="DS.jpg" width="50" height="50"></td>  
  
 <td>Data Structures</td>  
  
 <td>  
  
 University of Houston  
  
 </td>  
  
 <td>  
  
 52 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.6  
  
 </td>  
  
 <td>5.1 Million</td>  
  
 <td>14</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'DS')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="MySQL.png" width="50" height="50"></td>  
  
 <td>SQL</td>  
  
 <td>  
  
 North Carolina State University  
  
 </td>  
  
 <td>  
  
 39 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.9  
  
 </td>  
  
 <td>3.5 Million</td>  
  
 <td>12</td>  
  
 <td class="disp"></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="iot.jpg" width="50" height="50"></td>  
  
 <td>Internet of things</td>  
  
 <td>  
  
 Columbia University  
  
 </td>  
  
 <td>  
  
 65 hours  
  
 </td>  
  
 <td>  
  
 Intermediate  
  
 </td>  
  
 <td>  
  
 3.6  
  
 </td>  
  
 <td>2 Million</td>  
  
 <td>25</td>  
  
 <td class="disp"></td>  
  
 </tr>  
  
  
  
 </table>  
  
 <!------------------------------------------------------------>  
  
  
  
</div>  
  
<script>  
  
 var ***cartarr*** = [];  
  
 ***console***.log($("#s"))  
  
 $("#s").on('change',function(){  
  
  
  
  
  
 if($(this)[0].value=='G')  
  
 {  
  
 $("#G").removeClass('noshow');  
  
 $("#U").addClass('noshow');  
  
 }  
  
 else if($(this)[0].value=='U')  
  
 {  
  
  
  
 $("#U").removeClass('noshow');  
  
 $("#G").addClass('noshow');  
  
  
  
 }  
  
 });  
  
 function enroll(obj,val) {  
  
 var res= $(obj).parent();  
  
 res[0].innerHTML='<strong style="color: green">Successfully enrolled </strong>';  
  
 }  
  
</script>  
  
  
  
<script>  
  
 var ***url***=***window***.location.href;  
  
 ***console***.log(***url***.indexOf('user='));  
  
  
  
 if(***url***.indexOf('user=')>=0)  
  
 var ***user*** = ***url***.substring(***url***.indexOf('user=')+5,***url***.length);  
  
 ***console***.log(***user***.indexOf('Guest'));  
  
 if(***user***.indexOf('Guest')>=0)  
  
 {  
  
 $('.disp').addClass('noshow');  
  
 }  
  
</script>  
  
</body>  
  
</html>

**Hardware.html**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>Hardware</title>  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>  
  
 <style>  
  
 .noshow  
  
 {  
  
 display:none;  
  
 }  
  
 </style>  
  
  
  
</head>  
  
<body ng-app="myapph" >  
  
<h2 >Hardware  
  
</h2><br>  
  
<div id="select" align="center">  
  
 <label style="font-size: x-large;font-weight: bold">Course Level: </label>  
  
 <select id="s" style="font-size: large ;width:20% ;align: center">  
  
 <option value="G" selected>Advanced</option>  
  
 <option value="U">Basic</option>  
  
  
  
 </select>  
  
</div>  
  
<br><br>  
  
<div class="table-responsive" id="G">  
  
 <table class="table" border="1" cellspacing="0" cellpadding="10" style="text-align: center" align="center">  
  
 <tr style="background-color: lightgrey;color: steelblue">  
  
 <th></th>  
  
 <th>Course Title</th>  
  
 <th>Offered by</th>  
  
 <th>Duration</th>  
  
 <th>Level</th>  
  
 <th>Rating</th>  
  
 <th>Students Enrolled till Date</th>  
  
 <th>Seats remainining</th>  
  
 <th class="disp"></th>  
 </tr>  
  
 <tr>  
  
 <td><img src="AES.jpg" width="50" height="50"></td>  
  
 <td>Advanced Embedded Systems</td>  
  
 <td>  
  
 California State University  
 </td>  
  
 <td>  
  
 45 hours  
  
 </td>  
  
 <td>  
  
 Mixed  
  
 </td>  
  
 <td>  
  
 4.2  
  
 </td>  
  
 <td>2.3 Million</td>  
  
 <td>36</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'AES')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="arduino.jpg" width="50" height="50"></td>  
  
 <td>Arduino</td>  
  
 <td>  
  
 Cockefair Hall-Rm 00104  
  
 </td>  
  
 <td>  
  
 33 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.2  
  
 </td>  
  
 <td>3.4 Million</td>  
  
 <td>21</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'ES')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="microcontroller.png" width="50" height="50"></td>  
  
 <td>MicroController</td>  
  
 <td>  
  
 Arizona State University  
  
 </td>  
  
 <td>  
  
 55 hours  
  
 </td>  
  
 <td>  
  
 Intermediate  
  
 </td>  
  
 <td>  
  
 3.9  
  
 </td>  
  
 <td>3.3 Million</td>  
  
 <td>38</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'ES')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
 <tr>  
  
 <td><img src="rasberry%20pi.jpg" width="50" height="50"></td>  
  
 <td>Rasberry Pi</td>  
  
 <td>  
  
 Kentucky State University  
  
 </td>  
  
 <td>  
  
 28 hours  
  
 </td>  
  
 <td>  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.3  
  
 </td>  
  
 <td>2.6 Million</td>  
  
 <td>50</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'AEPL')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
  
  
 </table>  
  
</div>  
  
<div class="noshow table-responsive" id="U" >  
  
 <!---------------------------------------------------------------------------->  
  
 <table class="table" border="1" cellspacing="0" cellpadding="10" style="text-align: center" align="center">  
  
 <tr style="background-color: lightgrey;color: steelblue">  
  
 <th></th>  
  
 <th>Course Title</th>  
  
 <th>Offered by</th>  
  
 <th>Duration</th>  
  
 <th>Level</th>  
  
 <th>Rating</th>  
  
 <th>Students Enrolled till Date</th>  
  
 <th>Seats remainining</th>  
  
 <th class="disp"></th>  
  
 </tr>  
 <tr>  
  
 <td><img src="ES.jpg" width="50" height="50"></td>  
  
 <td>Embedded Systems</td>  
  
 <td>  
  
 North Carolina State University  
  
 </td>  
  
 <td>  
  
 37 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 4.5  
  
 </td>  
  
 <td>3.8 Million</td>  
  
 <td>55</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'ES')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
  
 <tr>  
  
 <td><img src="CT.jpg" width="50" height="50"></td>  
  
 <td>Network Theory</td>  
  
 <td>  
  
 University of Alabama  
  
 </td>  
  
 <td>  
  
 35 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
 </td>  
  
 <td>  
  
 4.1  
 </td>  
  
 <td>2.6 Million</td>  
  
 <td>11</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'ES')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
 <tr>  
  
 <td><img src="LD.jpg" width="50" height="50"></td>  
  
 <td>Logic Design</td>  
  
 <td>  
  
 University of Michigan  
  
 </td>  
  
 <td>  
  
 41 hours  
  
 </td>  
  
 <td>  
  
 Beginner  
  
 </td>  
  
 <td>  
  
 3.9  
 </td>  
  
 <td>2.1 Million</td>  
  
 <td>26</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'ES')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
  
  
 <tr>  
  
 <td><img src="EC1.jpg" width="50" height="50"></td>  
  
 <td>Electronic Circuits</td>  
  
 <td>  
  
 Dakota State University  
  
 </td>  
  
 <td>  
  
 35 hours  
  
 </td>  
  
 <td>  
  
 Intermediate  
  
 </td>  
  
 <td>  
  
 4.7  
  
 </td>  
  
 <td>5.6 Million</td>  
  
 <td>45</td>  
  
 <td class="disp"><a href="#" onclick="enroll(this,'EC1')"> <img src="enroll.png" width="150" height="50"></a></td>  
  
 </tr>  
  
  
  
 </table>  
  
 <!------------------------------------------------------------>  
  
  
  
</div>  
  
<script>  
  
 var ***cartarr*** = [];  
  
 ***console***.log($("#s"))  
  
 $("#s").on('change',function(){  
  
  
  
  
  
 if($(this)[0].value=='G')  
  
 {  
  
 $("#G").removeClass('noshow');  
  
 $("#U").addClass('noshow');  
  
 }  
  
 else if($(this)[0].value=='U')  
  
 {  
  
  
  
 $("#U").removeClass('noshow');  
  
 $("#G").addClass('noshow');  
  
  
  
 }  
  
 });  
  
 function enroll(obj,val) {  
  
 var res= $(obj).parent();  
  
 res[0].innerHTML='<strong style="color: green">Successfully enrolled </strong>';  
  
 }  
  
</script>  
  
<script>  
  
 var ***url***=***window***.location.href;  
  
 ***console***.log(***url***.indexOf('user='));  
  
  
  
 if(***url***.indexOf('user=')>=0)  
  
 var ***user*** = ***url***.substring(***url***.indexOf('user=')+5,***url***.length);  
  
 ***console***.log(***user***.indexOf('Guest'));  
  
 if(***user***.indexOf('Guest')>=0)  
  
 {  
  
 $('.disp').addClass('noshow');  
  
 }  
  
</script>  
  
</body>  
  
</html>

**Recently Enrolled**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>Recently Enrolled</title>  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
</head>  
  
<body >  
  
  
  
  
  
<div class="container">  
  
 <div class="row">  
  
 <div class="col-3" >  
  
 <img src="java.png" height="300" width="250"></div>  
  
 <div class=" col-6">  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Course Title: </strong><em style="font-size: xx-large">Java</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Offered by: </strong><em style="font-size: xx-large">IBM</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Duration: </strong><em style="font-size: x-large">65 hours</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Students Enrolled: </strong><em style="font-size: x-large">3.5 M</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Level: </strong><em style="font-size: xx-large">Intermediate</em><br><br>  
  
 <strong style="font-size: xx-large">\*\*\*\*\*</strong>  
  
  
  
 </div>  
  
  
  
 </div>  
  
 <div class="row" >  
  
  
  
  
  
 <div class=" col-3" >  
  
 <img src="iot.jpg" height="300" width="250"></div>  
  
 <div class=" col-6">  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Title: </strong><em style="font-size: xx-large">Parallel Algorithms</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Offered by: </strong><em style="font-size: xx-large">Yijie Han</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Duration: </strong><em style="font-size: x-large">65 hours</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Students Enrolled: </strong><em style="font-size: x-large">2 M</em>  
  
 <br>  
  
 <strong style="font-weight: bolder;font-size: xx-large">Level: </strong><em style="font-size: xx-large">Intermediate</em><br><br>  
  
 <strong style="font-size: xx-large">\*\*\*\*\*</strong>  
  
  
  
 </div>  
  
  
  
 </div>  
  
</div >  
  
</body>  
  
</html>

**Enrollments till date**

<!DOCTYPE html>  
  
<html lang="en">  
  
<head>  
  
 <meta charset="UTF-8">  
  
 <title>Enrolled Courses till Date</title>  
  
 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMp0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">  
  
 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>  
  
</head>  
  
<body>  
  
  
  
  
  
<div class="container">  
  
 <div class="row">  
  
 <div class="col-3" >  
  
 <img src="MySQL.png" height="200" width="200"></div>  
  
 <div class="col-6" >  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Course Title : </strong><em style="font-size:xx-large">SQL</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large"> Offered by : </strong><em style="font-size: xx-large">North Carolina State University </em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Duration : </strong><em style="font-size: x-large">39 hours </em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Students Enrolled : </strong><em style="font-size: x-large">3.5 M</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Level : </strong><em style="font-size: xx-large">Beginner</em><br><br>  
  
 <strong style="font-size: xx-large">\*\*\*\*\*</strong>  
  
  
  
 </div>  
  
  
  
 </div>  
  
 <div class="row">  
  
  
  
  
  
 <div class="col-3" >  
  
 <img src="java.png" height="300" width="250"></div>  
  
 <div class="col-6" >  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Course Title : </strong><em style="font-size: xx-large">Java</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large"> Offered by : </strong><em style="font-size: xx-large"> IBM </em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Duration : </strong><em style="font-size: x-large">65 hours</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Students Enrolled : </strong><em style="font-size: x-large">3.5 M</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Level : </strong><em style="font-size: xx-large">Intermediate</em><br><br>  
  
 <strong style="font-size: xx-large">\*\*\*\*\*</strong>  
  
  
  
 </div>  
  
  
  
 </div>  
  
 <div class="row">  
  
  
  
  
  
 <div class="col-3" >  
  
 <img src="C%20sharp.jpg" height="300" width="250"></div>  
  
 <div class="col-6">  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Course Title : </strong><em style="font-size: xx-large">C Sharp</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large"> Offered by : </strong><em style="font-size: xx-large"> University of Texas </em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Duration : </strong><em style="font-size: x-large">56 hours</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Students Enrolled: </strong><em style="font-size: x-large">3.5 M</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Level : </strong><em style="font-size: xx-large">Beginner</em><br><br>  
  
 <strong style="font-size: xx-large">\*\*\*\*\*</strong>  
  
  
  
 </div>  
  
  
  
 </div>  
  
 <div class="row">  
  
  
  
  
  
 <div class="col-3" >  
  
 <img src="iot.jpg" height="300" width="250"></div>  
  
 <div class="col-6" >  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Course Title: </strong><em style="font-size: xx-large">Internet of things</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large"> Offered by : </strong><em style="font-size: xx-large">Columbia University</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Duration: </strong><em style="font-size: x-large">65 hours</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Students Enrolled : </strong><em style="font-size: x-large">2 M</em>  
  
 <br>  
  
 <strong style="font-weight: bold;font-size: xx-large">Level : </strong><em style="font-size: xx-large">Intermediate</em><br><br>  
  
 <strong style="font-size: xx-large">\*\*\*\*\*</strong>  
  
  
  
 </div>  
  
  
  
 </div>  
  
  
  
  
  
</div>  
  
</body>  
  
</html>

**Task-2 : Snake Game**

1. app.component.html

<div class="snakegame-containar">  
 <div class="snakegame-header">  
 <h3 class="logo">Snake Game</h3>  
 <div class="scorecard-block">  
 <h3 class="score" [ngClass]="{'new-best-score': nextbestscore}">Score: {{score}}</h3>  
 <h3 class="best-score" [ngClass]="{'new-best-score': nextbestscore}">Best Score: {{Best\_Scor}}</h3>  
 </div>  
 </div>  
 <div class="row" *\*ngFor*="let ***column*** of board; let ***i*** = index;">  
 <div class="column" [ngStyle]="{'background-color': makeColors(***i***, ***j***)}" *\*ngFor*="let ***row*** of ***column***; let ***j*** = index"></div>  
 </div>  
 <div class="start-button" [ngClass]="{'disable-clicks': StartedGame}" (click)="displayMenu()">Start the Game</div>  
 <div class="new-game-menu" *\*ngIf*="CheckMenu">  
 <span class="menu-for-new-game">Mode Selection</span>  
 <div class="start-button new-gbutton" (click)="newGame(***mode***)" *\*ngFor*="let ***mode*** of all\_ModeTypes(all\_ModeType)">{{all\_ModeType[***mode***]}}</div>  
 </div>  
</div>

1. app.component.ts

import { ***Component***, ***HostListener*** } from '@angular/core';  
import { BestScoreHandler } from './app.bestscore.service';  
import { ***COMMANDS***, ***COLORS***, ***BOARD\_LENGTH***, ***GAME\_TYPES*** } from './app.costant';  
  
@Component({  
 selector: 'snake-game',  
 templateUrl: './app.component.html',  
 styleUrls: ['./app.component.css'],  
 host: {  
 '(document:keydown)': 'keyEvent($event)'  
 }  
})  
export class AppComponent {  
 private timeinterval: number;  
 private currDirection: number;  
 private default\_mode = 'classic';  
 private gameOver = false;  
  
 public all\_ModeType = ***GAME\_TYPES***;  
 public all\_ModeTypes = ***Object***.keys;  
 public board = [];  
 public obstacles = [];  
 public score = 0;  
 public CheckMenu = false;  
 public StartedGame = false;  
 public nextbestscore = false;  
 public Best\_Scor = this.bestScoreService.retrieve();  
  
 private snake = {  
 direction: ***COMMANDS***.LEFT,  
 parts: [  
 {  
 x: -1,  
 y: -1  
 }  
 ]  
 };  
  
 private fruit = {  
 x: -1,  
 y: -1  
 };  
  
 constructor(  
 private bestScoreService: BestScoreHandler  
 ) {  
 this.setLengthBoard();  
 }  
  
 keyEvent(e: KeyboardEvent) {  
 if (e.keyCode === ***COMMANDS***.LEFT && this.snake.direction !== ***COMMANDS***.RIGHT) {  
 this.currDirection = ***COMMANDS***.LEFT;  
 } else if (e.keyCode === ***COMMANDS***.UP && this.snake.direction !== ***COMMANDS***.DOWN) {  
 this.currDirection = ***COMMANDS***.UP;  
 } else if (e.keyCode === ***COMMANDS***.RIGHT && this.snake.direction !== ***COMMANDS***.LEFT) {  
 this.currDirection = ***COMMANDS***.RIGHT;  
 } else if (e.keyCode === ***COMMANDS***.DOWN && this.snake.direction !== ***COMMANDS***.UP) {  
 this.currDirection = ***COMMANDS***.DOWN;  
 }  
 }  
 makeColors(col: number, row: number): string {  
 if (this.gameOver) {  
 return ***COLORS***.GAME\_OVER;  
 } else if (this.fruit.x === row && this.fruit.y === col) {  
 return ***COLORS***.FRUIT;  
 } else if (this.snake.parts[0].x === row && this.snake.parts[0].y === col) {  
 return ***COLORS***.HEAD;  
 } else if (this.board[col][row] === true) {  
 return ***COLORS***.SNAKEBODY;  
 } else if (this.default\_mode === 'obstacles' && this.checkObstacles(row, col)) {  
 return ***COLORS***.OBSTACLE;  
 }  
  
 return ***COLORS***.BOARD;  
 };  
  
 updatePositions(): void {  
 let newHead = this.repositionHead();  
 let me = this;  
  
 if (this.default\_mode === 'classic' && this.boardCollide(newHead)) {  
 return this.gameOver();  
 } else if (this.default\_mode === 'no\_walls') {  
 this.noWallTransition(newHead);  
 } else if (this.default\_mode === 'obstacles') {  
 this.noWallTransition(newHead);  
 if (this.obstacleCollide(newHead)) {  
 return this.gameOver();  
 }  
 }  
  
 if (this.selfCollide(newHead)) {  
 return this.gameOver();  
 } else if (this.fruitCollide(newHead)) {  
 this.eatFruit();  
 }  
  
 let oldTail = this.snake.parts.pop();  
 this.board[oldTail.y][oldTail.x] = false;  
  
 this.snake.parts.unshift(newHead);  
 this.board[newHead.y][newHead.x] = true;  
  
 this.snake.direction = this.currDirection;  
  
 setTimeout(() => {  
 me.updatePositions();  
 }, this.timeinterval);  
 }  
  
 repositionHead(): any {  
 let newHead = ***Object***.assign({}, this.snake.parts[0]);  
  
 if (this.currDirection === ***COMMANDS***.LEFT) {  
 newHead.x -= 1;  
 } else if (this.currDirection === ***COMMANDS***.RIGHT) {  
 newHead.x += 1;  
 } else if (this.currDirection === ***COMMANDS***.UP) {  
 newHead.y -= 1;  
 } else if (this.currDirection === ***COMMANDS***.DOWN) {  
 newHead.y += 1;  
 }  
  
 return newHead;  
 }  
  
 noWallTransition(part: any): void {  
 if (part.x === ***BOARD\_LENGTH***) {  
 part.x = 0;  
 } else if (part.x === -1) {  
 part.x = ***BOARD\_LENGTH*** - 1;  
 }  
  
 if (part.y === ***BOARD\_LENGTH***) {  
 part.y = 0;  
 } else if (part.y === -1) {  
 part.y = ***BOARD\_LENGTH*** - 1;  
 }  
 }  
  
 addObstacles(): void {  
 let x = this.randomNo();  
 let y = this.randomNo();  
  
 if (this.board[y][x] === true || y === 8) {  
 return this.addObstacles();  
 }  
  
 this.obstacles.push({  
 x: x,  
 y: y  
 });  
 }  
  
 checkObstacles(x, y): boolean {  
 let res = false;  
  
 this.obstacles.forEach((val) => {  
 if (val.x === x && val.y === y) {  
 res = true;  
 }  
 });  
  
 return res;  
 }  
  
 obstacleCollide(part: any): boolean {  
 return this.checkObstacles(part.x, part.y);  
 }  
  
 boardCollide(part: any): boolean {  
 return part.x === ***BOARD\_LENGTH*** || part.x === -1 || part.y === ***BOARD\_LENGTH*** || part.y === -1;  
 }  
  
 selfCollide(part: any): boolean {  
 return this.board[part.y][part.x] === true;  
 }  
  
 fruitCollide(part: any): boolean {  
 return part.x === this.fruit.x && part.y === this.fruit.y;  
 }  
  
 resetFruit(): void {  
 let x = this.randomNo();  
 let y = this.randomNo();  
  
 if (this.board[y][x] === true || this.checkObstacles(x, y)) {  
 return this.resetFruit();  
 }  
  
 this.fruit = {  
 x: x,  
 y: y  
 };  
 }  
  
 eatFruit(): void {  
 this.score++;  
  
 let tail = ***Object***.assign({}, this.snake.parts[this.snake.parts.length - 1]);  
  
 this.snake.parts.push(tail);  
 this.resetFruit();  
  
 if (this.score % 5 === 0) {  
 this.timeinterval -= 15;  
 }  
 }  
  
 gameOver(): void {  
 this.gameOver = true;  
 this.StartedGame = false;  
 let me = this;  
  
 if (this.score > this.Best\_Scor) {  
 this.bestScoreService.store(this.score);  
 this.Best\_Scor = this.score;  
 this.nextbestscore = true;  
 }  
  
 setTimeout(() => {  
 me.gameOver = false;  
 }, 500);  
  
 this.setLengthBoard();  
 }  
  
 randomNo(): any {  
 return ***Math***.floor(***Math***.random() \* ***BOARD\_LENGTH***);  
 }  
  
 setLengthBoard(): void {  
 this.board = [];  
  
 for (let i = 0; i < ***BOARD\_LENGTH***; i++) {  
 this.board[i] = [];  
 for (let j = 0; j < ***BOARD\_LENGTH***; j++) {  
 this.board[i][j] = false;  
 }  
 }  
 }  
  
 displayMenu(): void {  
 this.CheckMenu = !this.CheckMenu;  
 }  
  
 newGame(mode: string): void {  
 this.default\_mode = mode || 'classic';  
 this.CheckMenu = false;  
 this.nextbestscore = false;  
 this.StartedGame = true;  
 this.score = 0;  
 this.currDirection = ***COMMANDS***.LEFT;  
 this.gameOver = false;  
 this.timeinterval = 100;  
 this.snake = {  
 direction: ***COMMANDS***.LEFT,  
 parts: []  
 };  
  
 for (let i = 0; i < 3; i++) {  
 this.snake.parts.push({ x: 8 + i, y: 8 });  
 }  
  
 if (mode === 'obstacles') {  
 this.obstacles = [];  
 let j = 1;  
 do {  
 this.addObstacles();  
 } while (j++ < 9);  
 }  
  
 this.resetFruit();  
 this.updatePositions();  
 }  
}

1. app.component.css

.snakegame-header {  
 color: #fff;  
 padding: 5px 15px 5px 0px;  
 position: relative;  
}  
  
.snakegame-header>.scorecard-block {  
 display: inline-block;  
}  
  
.scorecard-block>.score {  
 position: absolute;  
 right: 8px;  
 top: -5px;  
}  
  
.scorecard-block>.best-score {  
 position: absolute;  
 right: 8px;  
 margin-top: 5px;  
 font-size: 12px;  
}  
  
.snakegame-header>.logo {  
 display: inline-block;  
 padding-left: 15px;  
}  
  
.snakegame-containar {  
 width: 600px; /\*468\*/  
 position: relative;  
 display: block;  
 margin: auto;   
 background-color: #464A43;  
 border-radius: 5px;  
}  
  
.row {  
 height: 26px;  
 margin-left: 15px;  
}  
  
.column {  
 border: 1px solid rgba(97, 131, 138, .1);  
 width: 24px;  
 height: 24px;  
 display: inline-block;  
}  
  
.start-button {  
 padding: 15px;  
 text-align: center;  
 background-color: #464A43;  
 color: white;  
 border-radius: 5px;  
}  
  
.start-button:hover {  
 opacity: 0.65;  
 cursor: pointer;  
}  
  
.start-button.new-gbutton {  
 margin: 0 105px 4px 105px;  
}  
  
.disable-clicks {  
 pointer-events: none;  
}  
  
.new-game-menu {  
 position: absolute;  
 top: 0;  
 width: 100%;  
 bottom: 0;  
 padding: 40% 0;  
 text-align: center;  
 background: rgba(0, 0, 0, 0.15);  
}  
  
.menu-for-new-game {  
 font-size: 1.17em;  
 margin-bottom: 13px;  
 display: block;  
 color: #fff;  
}  
  
.new-best-score {  
 animation: glow .5s infinite alternate;  
}  
  
@keyframes glow {  
 to {  
 text-shadow: 0 0 15px #ffff00;  
 }  
}  
  
@media screen and (max-width: 480px) {  
 .snakegame-containar {  
 width: 100%;  
 }  
 .column {  
 width: 5.55%;  
 height: 0;  
 padding-bottom: 5.06%;  
 box-sizing: border-box;  
 }  
 .row {  
 display: -webkit-box;  
 display: -moz-box;  
 display: -ms-flexbox;  
 display: -webkit-flex;  
 display: flex;  
 height: 0;  
 padding-bottom: 5.5%;  
 }  
 .new-game-menu {  
 width: 100%;  
 top: 8px;  
 padding-top: 30%;  
 font-size: 80%;  
 }  
 .start-button.new-gbutton {  
 margin: 0 15% 1% 15%;  
 }  
 @-moz-document url-prefix() {  
 .column {  
 min-height: 5.5vw;  
 }  
 }  
}

1. app.costant.ts

export const ***BOARD\_LENGTH*** = 22;  
  
export const ***COMMANDS*** = {  
 LEFT: 37,  
 UP: 38,  
 RIGHT: 39,  
 DOWN: 40  
};  
  
export const ***COLORS*** = {  
 GAME\_OVER: '#F70D34',  
 FRUIT: '#E13B21',  
 HEAD: '#2151E1',  
 SNAKEBODY: '#6d94e6',  
 BOARD: '#c4f1ae',  
 OBSTACLE: '#464A43'  
};  
  
export const ***GAME\_TYPES*** = {  
 classic: 'Classic',  
 no\_walls: 'No Walls',  
 obstacles: 'Obstacles'  
};

1. app.module.ts

import { BrowserModule } from '@angular/platform-browser';  
import { ***NgModule*** } from '@angular/core';  
  
import { AppComponent } from './app.component';  
import { BestScoreHandler } from './app.bestscore.service';  
  
@NgModule({  
 declarations: [  
 AppComponent  
 ],  
 imports: [  
 BrowserModule  
 ],  
 providers: [  
 BestScoreHandler  
 ],  
 bootstrap: [  
 AppComponent  
 ]  
})  
export class AppModule { }

1. app.bestscore.service

import { ***Injectable*** } from '@angular/core';  
  
@Injectable()  
export class BestScoreHandler {  
  
 private SnakeGame = 'Snake Game';  
  
 public store(score: number) {  
 ***localStorage***.setItem(this.SnakeGame, ***JSON***.stringify({ 'Best\_Scor': score }));  
 }  
  
 public retrieve() {  
 let storage = this.parse();  
 if (!storage) {  
 this.store(0);  
 storage = this.parse();  
 }  
  
 return storage.Best\_Scor;  
 }  
  
 private parse() {  
 return ***JSON***.parse(***localStorage***.getItem(this.SnakeGame));  
 }  
}

**Task-3 : Google Knowledge Graph search API**

Home Module:

1.html file

<div class="container">  
 <div class="left-box">  
 <fm class="fm-horizontal" [fmGroup]="searchFunFm" (ngSubmit)="getFunDetails()">  
 <table class="table">  
 <tr>  
 <td>  
 <div class="container " [ngClass]="{'has-error': searchFunFm.controls.Seachfun.errors }">  
 <label for="Seachfun">Search Keyword</label>  
 <input id="Seachfun" type="text" class="foralid " fmControlName="Seachfun" placeholder="Ent">  
  
 </div>  
 </td>  
 <td>  
 <div class="fm-group">  
 <br>  
 <button class="btn btn-info">Go</button>  
 </div>  
 </td>  
 <td>  
 </tr>  
<br>  
  
<div class="display\_fun\_details">  
 <app-display-fun-details [funDetails]="funDetails"></app-display-fun-details>  
</div>

2.TS file

import {***Cm***, ***Input***, OnInit} from '@angular/core';  
  
@Cm({  
 selector: 'app-display-fun-details',  
 templateUrl: './display-fun-details.cm.html',  
 styleUrls: ['./display-fun-details.cm.css']  
})  
export class DisplayFunDetailsCm implements OnInit {  
  
 @Input() funDetails: any;  
 constructor() { }  
  
 ngOnInit() {  
 }  
  
}

Display module:

1.Html file

<div class="container">  
  
  
 <div style="background-color: white" class="card-body">  
 <div *\*ngFor*="let ***funDetailsEle*** of funDetails.il; let ***i***= index">  
 <div class="row">  
 <div class="co" *\*ngIf*="***i***<1">  
 <div class="car"><b>{{funDetails.il[***i***].res.name}}</b></div>  
 <div class="car">  
 <table>  
 class="desc">{{funDetails.il[***i***].res.desc}}</td>  
 </tr>  
 <tr>  
 <td style="text-align: center;">Details Desc </td>  
 <td >-></td>  
 <td class="desc">{{funDetails.il[***i***].res.detDesc.ab}}</td>  
 </tr>  
  
 <tr>  
 <td style="text-align: center;">URL </td>  
 <td >-></td>  
 <td class="desc"><a href="{{funDetails.il[***i***].res.detDesc.url}}">{{funDetails.il[***i***].res.detDesc.url}}</a></td>  
 </tr>  
 </table>  
 </div>  
 </div>  
 </div>  
 </div>  
 </div>  
  
</div>

2TS file

import { ***Cm***, OnInit } from '@angular/core';  
  
@Cm({  
 selector: 'app-home',  
 templateUrl: './maincom.html',  
 styleUrls: ['./maincom.css']  
})  
export class Maincom implements OnInit {  
  
 public funDetails: any;  
 searchFunFm: FmGroup;  
  
  
 constructor( private http: HttpClient, private fb: FmBuilder) { }  
  
  
  
 ngOnInit() {  
 this.searchFunFm = this.fb.group({  
 Seachfun: ['Name,place or thing', [Validators.*required*]]  
 });  
  
 this.getFunDetails();  
 }  
  
 getFunDetails(): void {  
 // tslint:disable-next-line:max-line-length  
 this.http.get('https://kgsearch.googleapis.com/v1/entities:search?query=' + this.searchFunFm.controls.Seachfun.value + '&key=AIzaSyAKgxm1Or1uLqMIAK5P2MXUUA5fj7I9QNY').subscribe(data => {  
 this.funDetails = data;  
  
 });  
  
 }  
}

3.routing

import {RouterModule, Routes} from '@angular/router';  
import {Maincom} from './home/maincom';  
import { DisplayFunDetailsCm} from './display-fun-details/display-fun-details.cm';  
  
const appRoutes: Routes = [  
 { path: '', cm: Maincom},  
 {path: 'home', cm: Maincom},  
 {path: 'display-fun-details', cm: DisplayFunDetailsCm}  
];  
  
export const ***routing*** = RouterModule.*forRoot*(appRoutes);