Ng-init & ng-repeat

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

    <script src="angular.min.js"></script>

    <script src="script.js"></script>

</head>

<body ng-app="myapp">

    <div ng-controller="myctrl">

        <div ng-repeat = "element in list" ng-init="parent=$index">

            <div ng-repeat = "item in element" ng-init="child=$index">

                {{item}} parent : {{parent}} child : {{child}}

            </div>

        </div>

    </div>

</body>

</html>

var app = angular.module('myapp', []);

app.controller('myctrl', function (*$scope*) {

    var list = [['a','b'],['c','d']]

*$scope*.list = list;

 });

Filter exact match

<!DOCTYPE html>

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    <title>Document</title>

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    <script src="script.js"></script>

</head>

<body ng-app="myapp">

    <div ng-controller="myctrl">

        search: <input ng-model="searchtext.$" type="text" placeholder="search all"/>

        <input type="checkbox" ng-model="exact"> Exact match

        <br/>

        <input type="text" ng-model="searchtext.loc" placeholder="search location">

        <input type="text" ng-model="searchtext.city" placeholder="search city">

        <table>

            <thead>

                <th>Name</th>

                <th>location</th>

                <th>city</th>

            </thead>

            <tbody>

                <tr ng-repeat="e in emp | filter : searchtext : exact | orderBy:'-name'

"  >

                    <td>{{e.name | uppercase}}</td>

                    <td>{{e.loc}}</td>

                    <td>{{e.city}}</td>

                    <td>{{e.dateOfBirth | date:"dd/MM/yyyy"}}</td>

                </tr>

            </tbody>

        </table>

    </div>

</body>

</html>

var app = angular.module('myapp', []);

app.controller('myctrl', function (*$scope*) {

    var emp = [

        { name: 'amit', loc: 'chembur', city: 'mumbai' , dateOfBirth:new Date("May 3, 2000")},

        { name: 'apeksha', loc: 'kolhapur', city: 'kolhapur',dateOfBirth:new Date("May 3, 2001") },

        { name: 'sahil', loc: 'thane', city: 'thane' ,dateOfBirth:new Date("May 3, 2007")},

        { name: 'rush', loc: 'bandra', city: 'mumbai',dateOfBirth:new Date("May 3, 1996") }

    ];

*$scope*.emp = emp;

 });

Sorting by name in asc dec etc

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    <title>Document</title>

    <script src="angular.min.js"></script>

    <script src="script.js"></script>

</head>

<body ng-app="myapp">

    <div ng-controller="myctrl">

        sort by

        <select ng-model="sortfield">

            <option value="name">name (asc)</option>

            <option value="dateOfBirth">Date of birth (asc)</option>

            <option value="gender">gender (asc)</option>

            <option value="-salary">salry (desc)</option>

        </select>

        <table>

            <thead>

                <th>Name</th>

                <th>DOB</th>

                <th>gender</th>

                <th>Salary</th>

            </thead>

            <tbody>

                <tr ng-repeat="e in emp | orderBy:sortfield"  >

                    <td>{{e.name | uppercase}}</td>

                    <td>{{e.dateOfBirth | date:"dd/MM/yyyy"}}</td>

                    <td>{{e.gender}}</td>

                    <td>{{e.salary}}</td>

                </tr>

            </tbody>

        </table>

    </div>

</body>

</html>

var app = angular.module('myapp', []);

app.controller('myctrl', function (*$scope*) {

    var emp = [

        {name:'Ben',dateOfBirth:new Date("November 23, 1980"),gender:"Male",salary:500000,city:"Mumbai"},

        {name:'Sara',dateOfBirth:new Date("May 3, 1970"),gender:"Female",salary:390000,city:"Kurla"},

        {name:'Mark',dateOfBirth:new Date("July 24, 1974"),gender:"Male",salary:200000,city:"Thane"},

        {name:'Pam',dateOfBirth:new Date("June 18, 1979"),gender:"Male",salary:350000,city:"Churchgate"},

        {name:'Todd',dateOfBirth:new Date("April 30, 1983"),gender:"Male",salary:300000,city:"Kopar"}

        ];

*$scope*.emp = emp;

 });

Table head sort arrow

<!DOCTYPE html>

<html lang="en">

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    <meta http-equiv="X-UA-Compatible" content="IE=edge">

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

    <title>Document</title>

    <script src="angular.min.js"></script>

    <script src="script.js"></script>

</head>

<style>

    .up-arrow{

        height:0px;

        width:0px;

        border-left:5px solid transparent;

        border-right:5px solid transparent;

        border-bottom:10px solid black;

    }

    .down-arrow{

        height:0px;

        width:0px;

        border-left:5px solid transparent;

        border-right:5px solid transparent;

        border-top:10px solid black;

    }

</style>

<body ng-app="myapp">

    <div ng-controller="myctrl" ng-init="reverse=false">

        <table>

            <thead>

                <th >Name<div id="name" class="up-arrow" ng-click="sortName()"></div></th>

                <th>DOB<div id="dob" class="up-arrow" ng-click="sortDOB()"></div></th>

                <th>gender<div id="gender" class="up-arrow" ng-click="sortGender()"></div></th>

                <th>Salary<div id="salary" class="up-arrow" ng-click="sortSalary()"></div></th>

            </thead>

            <tbody>

                <tr ng-repeat="e in emp | orderBy:sortfield : reverse"  >

                    <td>{{e.name | uppercase}}</td>

                    <td>{{e.dateOfBirth | date:"dd/MM/yyyy"}}</td>

                    <td>{{e.gender}}</td>

                    <td>{{e.salary}}</td>

                </tr>

            </tbody>

        </table>

    </div>

</body>

</html>

var app = angular.module('myapp', []);

app.controller('myctrl', function (*$scope*) {

    var emp = [

        {name:'Ben',dateOfBirth:new Date("November 23, 1980"),gender:"Male",salary:500000,city:"Mumbai"},

        {name:'Sara',dateOfBirth:new Date("May 3, 1970"),gender:"Female",salary:390000,city:"Kurla"},

        {name:'Mark',dateOfBirth:new Date("July 24, 1974"),gender:"Male",salary:200000,city:"Thane"},

        {name:'Pam',dateOfBirth:new Date("June 18, 1979"),gender:"Male",salary:350000,city:"Churchgate"},

        {name:'Todd',dateOfBirth:new Date("April 30, 1983"),gender:"Male",salary:300000,city:"Kopar"}

        ];

*$scope*.emp = emp;

    const reversArrow = (*field*) => {

*$scope*.reverse = *$scope*.reverse ? false : true;

        const arrow = document.getElementById(*field*);

*if* (*$scope*.reverse === false) {

            arrow.classList.add('up-arrow')

            arrow.classList.remove('down-arrow')

        }

*else* {

            arrow.classList.add('down-arrow')

            arrow.classList.remove('up-arrow')

        }

    }

*$scope*.sortName = () => {

*$scope*.sortfield = "name";

         reversArrow('name')

    }

*$scope*.sortDOB = () => {

*$scope*.sortfield = "dateOfBirth";

         reversArrow('dob')

    }

*$scope*.sortGender = () => {

*$scope*.sortfield = "gender";

         reversArrow('gender')

    }

*$scope*.sortSalary = () => {

*$scope*.sortfield = "salary";

         reversArrow('salary')

    }

 });

Single page app

<html>

<head>

    <title>Angular JS Route</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js"></script>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular-route.min.js">

    </script>

</head>

<body>

    <h2>AngularJS Sample Application</h2>

    <div ng-app="mainApp">

        <a href="#addStudent">Add Student</a> <br>

        <a href="#viewStudents">View Students</a>

        <div ng-view></div>

        <script type="text/ng-template" id="addStudent.htm">

            <h2> Add Student </h2>

            {{message}}

        </script>

        <script type="text/ng-template" id="viewStudents.htm">

            <h2> View Students </h2>

            {{message}}

        </script>

    </div>

    <script>

        var mainApp = angular.module("mainApp", ['ngRoute']);

        mainApp.config(['$routeProvider', function (*$routeProvider*) {

*$routeProvider*

                .when('/addStudent', {

                    templateUrl: 'addStudent.htm',

                    controller: 'AddStudentController'

                })

                .when('/viewStudents', {

                    templateUrl: 'viewStudents.htm',

                    controller: 'ViewStudentsController'

                })

                .otherwise({

                    redirectTo: '/addStudent'

                });

        }]);

        mainApp.controller('AddStudentController', function (*$scope*) {

*$scope*.message = "This page will be used to display add student form";

        });

        mainApp.controller('ViewStudentsController', function (*$scope*) {

*$scope*.message = "This page will be used to display all the students";

        });

    </script>

</body>

</html>

Form validation

<!DOCTYPE html>

<html lang="en">

<head>

    <script src="angular.min.js"></script>

    <script src="script.js"></script>

</head>

<body ng-app="myapp">

    <div ng-controller="myctrl" ng-init="reverse=false">

        <h1>angular from</h1>

        <form name="form1">

            firstname:<input type="text" ng-model="fname" name="fname" required />

            <p ng-show="form1.fname.$invalid" style="color:red">This field is reuired</p><br>

            lastname:<input type="text" ng-model="lname" /><br>

            gender:

            <input type="radio" name="gender" ng-model="gender" />male

            <input name="gender" type="radio" ng-model="gender" checked /> female

*<!-- <span ng-show="form1.gender.$invalid" style="color: red">\*Gender is required</span><br> -->*

            Email:<input type="email" ng-model="email" name="email" required />

            <p ng-show="form1.email.$invalid" style="color:red">This field is reuired</p><br>

            <input type="submit" value="submit">

        </form>

        <p>{{form1.$submitted}}</p>

    </div>

</body>

</html>

Validatop custom

<!DOCTYPE html>

<html lang="en">

<head>

    <script src="angular.min.js"></script>

    <script src="script.js"></script>

</head>

<body ng-app="myapp">

    <div ng-controller="myctrl" ng-init="reverse=false">

        <h1>angular from</h1>

        <form name="form1">

            Full name:<input type="text" ng-model="fname" name="fname" required />

            <p ng-show="form1.fname.$invalid" style="color:red">This field is reuired</p><br>

            DOB:<input type="date" ng-model="dob" max="2022-12-08" required /><br>

            gender:

            <input type="radio" name="gender" ng-model="gender" />male

            <input name="gender" type="radio" ng-model="gender" checked /> female<BR>

            Email:<input type="email" ng-model="email" name="email" required />

            <p ng-show="form1.email.$invalid" style="color:red">This field is reuired</p><br>

            <p>Mobile : <input type="number" name="mobile" ng-model="mobile"

                    onkeypress="*if*(this.value.length==10) *return* false;" required></br>

                <span ng-show="form1.mobile.$invalid" style="color: red">\*Field does not contain valid mobile

                    number</span></br>

                <input type="submit" value="submit">

        </form>

        <p>{{form1.$submitted}}</p>

    </div>

</body>

</html>

Jsx

*import* './App.css';

function App() {

  let greeting =''

  const date = new Date();

  var hour = date.getHours();

*if* (hour < 12)

    greeting = 'morning'

*if* (hour>12 && hour < 16) {

    greeting = 'afternoon'

  }

*if* (hour>16 && hour < 23) {

    greeting = 'night'

  }

*return* (

    <div className="App">

      <h1>Good {greeting}</h1>

    </div>

  );

}

*export* *default* App;

parent child & functional & styling

*import* React *from* "react";

function PrintDetails(*props*) {

*return* <div className="details">

        <h2>name:{*props*.name}</h2>

        <p>age:{*props*.age}</p>

        <p>location:{*props*.location}</p>

    </div>;

}

*export* *default* PrintDetails;

app.css

.details{

  background-color: aquamarine;

  width: 15%;

  height: 10%;

  padding: 20px;

  border-radius: 10px;

  margin:10px;

  border:rgb(1, 69, 71) 4px solid;

}

.details h2{

  color :rgb(58, 2, 128);

}

.details p{

  color:palevioletred;

  font-weight: bolder;

  font-size: 20px;

}

Mapping component

*import* React *from* 'react';

function Navbar(){

*return* <div className='nav-bar'>

<ul>

<li>Home</li>

<li>Contact</li>

</ul>

</div>;

}

*export*  *default* Navbar;

*import* React *from* 'react';

*import* Navbar *from* './navbar';

function Header (){

*return* <div>

<h1>Main header</h1>

<Navbar />

</div>;

}

*export*  *default* Header;