**ANGULAR JS**

INITILAIZE & DEPENDENCY INJECTIONS

    var app = angular.module("myApp", []);

    var app = angular.module("myApp", ["ngRoute"]);

    var app = angular.module("myApp", ["ngRAnimate"]);

CONTROLLER, COMPONENTS, SERVICES

<!DOCTYPE html>

<html ng-app="myApp">

<head>

    <title>Components, Controller, Services</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head>

<body ng-controller="myController">

    <div class="container">

        <h1>Components:-</h1>

        <my-component></my-component>

        <br><br>

        <h1>Services:-</h1>

        <h2>Welcome to {{ title }}</h2>

        <p>{{ message }}</p>

        <p>Result: {{ result }}</p>

    </div>

</body>

<script>

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

    app.component('myComponent', {

        templateUrl: 'my-component.html',

        controller: 'customController',

    });

    app.service('myService', function () {

        this.getMessage = function () {

            return "This is a message from the service.";

        };

        this.calculateSum = function (*num1*, *num2*) {

            return num1 + num2;

        };

    })

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

        $scope.title = "My AngularJS App";

        $scope.message = myService.getMessage();

        $scope.result = myService.calculateSum(5, 3);

    });

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

        $scope.name = "Vineet";

    });

</script>

</html>

ng-switch

    <div ng-switch="myVar">

        <div ng-switch-when="dogs">

            <h1>Dogs</h1>

            <p>Welcome to a world of dogs.</p>

        </div>

        <div ng-switch-when="tuts">

            <h1>Tutorials</h1>

            <p>Learn from examples.</p>

        </div>

        <div ng-switch-when="cars">

            <h1>Cars</h1>

            <p>Read about cars.</p>

        </div>

        <div ng-switch-default>

            <h1>Switch</h1>

            <p>Select topic from the dropdown, to switch the content of this DIV.</p>

        </div>

    </div>

FILTERS

    <p>The name is {{ lastName | uppercase }}</p>

    <p>The name is {{ lastName | lowercase }}</p>

    <h1>Price: {{ price | currency }}</h1>

    <li ng-repeat="x in names | filter : 'i'"></li>

    <li ng-repeat="x in names | orderBy:'country'"></li>

    <input type="text" ng-model="test">

    <li ng-repeat="x in names | filter : test"></li>

ANGULAR JS ROUTING

<!DOCTYPE html>

<html ng-app="myApp">

<head>

    <title>Navigation Menu</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.7.9/angular.min.js"></script>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.7.9/angular-route.min.js"></script>

</head>

<body>

    <div ng-controller="mainController">

        <nav>

            <ul>

                <li ng-repeat="menuItem in menuItems">

                    <a ng-href="{{menuItem.link}}">{{menuItem.name}}</a>

                </li>

            </ul>

        </nav>

        <div ng-view></div>

    </div>

</body>

<script>

    var app = angular.module("myApp", ["ngRoute"]);

    app.config(function (*$routeProvider*) {

        $routeProvider

            .when("/home", {

                templateUrl: "home.html",

                controller: "homeController"

            })

            .when("/about", {

                templateUrl: "about.html",

                controller: "aboutController"

            })

            .when("/contact", {

                templateUrl: "contact.html",

                controller: "contactController"

            })

            .otherwise({

                redirectTo: "/home"

            });

    });

    app.controller("mainController", function (*$scope*) {

        $scope.menuItems = [

            { name: "Home", link: "#!/home" },

            { name: "About", link: "#!/about" },

            { name: "Contact", link: "#!/contact" }

        ];

    });

    app.controller("homeController", function (*$scope*) {

        $scope.message = "Welcome to the Home Page!";

    });

    app.controller("aboutController", function (*$scope*) {

        $scope.message = "Learn more about us on the About Page!";

    });

    app.controller("contactController", function (*$scope*) {

        $scope.message = "Contact us by filling out the form on the Contact Page!";

    });

</script>

</html>

SWITCH LAYOUT (ng-include)

<!DOCTYPE html>

<html ng-app="myApp">

<head>

    <title>Switch between layouts with AngularJS</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head>

<body>

    <div ng-controller="mainController" class="container">

        <button ng-click="setTemplate('template1.html')">Layout 1</button>

        <button ng-click="setTemplate('template2.html')">Layout 2</button>

        <hr>

        <div ng-include="templateUrl"></div>

    </div>

    <script>

        var app = angular.module("myApp", []);

        app.controller("mainController", function (*$scope*) {

            $scope.templateUrl = "template1.html";

            $scope.setTemplate = function (*url*) {

                $scope.templateUrl = url;

            }

        });

    </script>

</body>

</html>

ANGULAR JS VIDEO PLAYER

<!DOCTYPE html>

<html ng-app="videoPlayer">

<head>

    <title>AngularJS Video Player</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head>

<body ng-controller="videoPlayerCtrl">

    <h1>AngularJS Video Player</h1>

    <video ng-src="{{videoUrl}}" controls id="videoplayer"></video>

    <button ng-click="play()">Play</button>

    <button ng-click="pause()">Pause</button>

    <button ng-click="replay()">Replay</button>

    <label for="speed">Playback Speed:</label>

    <select id="speed" ng-model="selectedSpeed" ng-change="changeSpeed()">

        <option value="1">Normal</option>

        <option value="0.5">0.5x</option>

        <option value="1.5">1.5x</option>

        <option value="2">2x</option>

    </select>

    <script>

        var app = angular.module("videoPlayer", []);

        app.controller("videoPlayerCtrl", function (*$scope*) {

            $scope.videoUrl = "https://res.cloudinary.com/codelife/video/upload/v1637805738/intro\_l5ul1k.mp4";

            $scope.selectedSpeed = "1";

            var video = document.getElementById("videoplayer");

            $scope.play = function () {

                video.play();

            };

            $scope.pause = function () {

                video.pause();

            };

            $scope.replay = function () {

                video.currentTime = 0;

                video.pause();

            };

            $scope.changeSpeed = function () {

                video.playbackRate = parseFloat($scope.selectedSpeed);

            };

        });

    </script>

</body>

</html>

ANGULAR JS TEXT EDITOR

<!DOCTYPE html>

<html ng-app="textEditor">

<head>

    <title>AngularJS Text Editor</title>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.8.2/angular.min.js"></script>

</head>

<body ng-controller="textEditorCtrl">

    <h1>AngularJS Text Editor</h1>

    <textarea ng-model="text"></textarea>

    <br>

    <button ng-click="clear()">Clear</button>

    <button ng-click="save()">Save</button>

    <div ng-if="savedText.length > 0">

        <h2>Saved Text:</h2>

        <p>{{ savedText }}</p>

    </div>

</body>

<script>

    var app = angular.module("textEditor", []);

    app.controller("textEditorCtrl", function (*$scope*) {

        $scope.text = "";

        $scope.savedText = "";

        $scope.clear = function () {

            $scope.text = "";

        };

        $scope.save = function () {

            $scope.savedText = $scope.text;

        };

    });

</script>

</html>

CALCULATOR

<!DOCTYPE html>

<html lang="en" ng-app="myApp">

<head>

    <title>Calculator</title>

    <style>

        .grid {

*display*: grid;

*grid-template-columns*: repeat(4, 1fr);

*grid-gap*: 10px;

*margin-top*: 10px;

        }

    </style>

</head>

<body ng-controller="mainController">

    <div style="width: 500px">

        <input type="text" readonly ng-model="expression" style="padding: 15px 0px; width: 500px;" />

        <div class="grid">

            <button ng-repeat="button in buttons" ng-value="button" ng-click="buttonClick(button)">{{button}}</button>

        </div>

    </div>

    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>

    <script>

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

        app.service('calcService', function () {

            this.evaluate = function (*expr*) {

                try {

                    return eval(expr);

                } catch (e) {

                    return 'ERROR';

                }

            };

        });

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

            $scope.expression = '';

            $scope.buttons = [

                '7',

                '8',

                '9',

                'DEL',

                '4',

                '5',

                '6',

                '+',

                '1',

                '2',

                '3',

                '-',

                '.',

                '0',

                '/',

                '\*',

                'RESET',

                '=',

            ];

            $scope.buttonClick = function (*value*) {

                if (value === 'RESET') {

                    $scope.expression = '';

                } else if (value === 'DEL') {

                    $scope.expression = String($scope.expression).slice(0, -1);

                } else if (value === '=') {

                    $scope.expression = calcService.evaluate($scope.expression);

                } else {

                    $scope.expression = $scope.expression + value;

                }

            };

        });

    </script>

</body>

</html>

ANGULAR JS ANIMATIONS

    .moveUpDown.ng-enter {

*transition*: 0.5s ease-in-out all;

*transform*: translateY(100px);

    }

*/\* The finishing CSS styles for the enter animation \*/*

    .moveUpDown.ng-enter.ng-enter-active {

*transform*: translateY(0px);

    }

*/\* The starting CSS styles for the leave animation \*/*

    .moveUpDown.ng-leave {

*transition*: 0.5s ease-in-out all;

*transform*: translateY(0px);

    }

*/\* The finishing CSS styles for the leave animation \*/*

    .moveUpDown.ng-leave.ng-leave-active {

*transform*: translateY(100px);

    }