

RIGHT STROKE FULL STACK TRAINING

Week-3 Assessment Angular

1. Develop a Angular Project that show cases One way and two way data binding (Property binding and Event Binding).

Program:

One way Data Binding:

Property Binding:

Html:

```
<div>

    <h2>Click the button below to feel PropertyBinding</h2>

    <a class="btn btn-warning" [href]="name">Property Binding</a>

</div>
```

Ts file:

```
export class SampleComponent implements OnInit {

    constructor() { }

    name: string="https://www.google.com/";

    ngOnInit(): void {

    }

}
```

Event Binding:

HTML:

```
<div>

    <h2>Click the button below to feel PropertyBinding</h2>

    <button class="btn btn-warning" type="button" (click)="onSubmit()">Event Binding</button>

</div>
```

Ts file:

```
export class SampleComponent implements OnInit {
```

```

constructor() { }

ngOnInit(): void {

}

onSubmit(){

    alert("Hello!!!!");

}

}

```

Two-way Data Binding:

Html:

```

<div>

    <h2>Enter </h2>

    <input type="text" [(ngModel)]="text" placeholder="Enter text here">

    {{text}}

</div>

```

Ts file:

```

export class SampleComponent implements OnInit {

    constructor() { }

    text: string;

    ngOnInit(): void {

    }

}

```

2. Develop a Angular Project that show cases the following Event binding :- a) Text Box's key entry c) Text Box Key Enter d) Text Area Keyup +Shift +A b) Button on Click.

Program:

Html file:

```

<div>
    <input (keyup)="onKey($event)" placeholder="Enter Text Here">
    <br>
    <p>This is box key entry value is {{name}}</p>

```

</div>

<div>

<input #switch (keyup. enter)="onEnter(switch.value)" placeholder="Enter Text Here">

<p>This is switch key enter value is {{ value }}</p>

</div>

<div>

<input #box (keydown.Shift.A)="onEnterShift(box.value)" placeholder="Enter Text Here"

>

<p>This is box keyup+shift+a is {{ val }}</p>

</div>

<div>

<h2>Click the button below to feel Event Binding</h2>

<button class="btn btn-warning" type="button" (click)="onSubmit()">Event Binding</button>

</div>

Ts file:

import { Component, OnInit } from '@angular/core';

```
@Component({
  selector: 'app-sample',
  templateUrl: './sample.component.html',
  styleUrls: ['./sample.component.css']
})
```

```
export class SampleComponent implements OnInit {
```

```
  constructor() { }
```

```
  text:string;
```

```
  ngOnInit(): void {
```

```
  }
```

```
  name:any="";
```

```
  onKey(event:any){
```

```
    this.name=event.target.value;
```

```
  }
```

```
  value:any="";
```

```
  onEnter(value:string){
```

```
    this.value=value;
```

```
  }
```

```
  val:any="";
```

```
  onEnterShift(key:string){
```

```
    this.val=key;
```

```
  }
```

```
  onSubmit(){
```

```
    alert("Hello!!!!");
```

```
  }
```

```
}
```

3. Develop an Angular project that uses template reference variable for text box, text area and select drop down control

Program:

Html file:

```
<div class="container">
  <div>
    <select #select [(ngModel)]="selectedRanger" (change)="log(select.value)">
      <option *ngFor="let ranger of rangers" [value]="ranger.id">{{ ranger.rangerName }}<
    /option>
  </select>
</div>
<br>
<div>
  <button (click)="Str="">Clear</button>
</div>
{{ Str }}
</div>
```

Ts file:

```
import { Component, OnInit } from '@angular/core';
```

```
@Component({
  selector: 'app-sample',
  templateUrl: './sample.component.html',
  styleUrls: ['./sample.component.css']
})
export class SampleComponent implements OnInit {
  ngOnInit(): void {
    throw new Error('Method not implemented.');
```

```
  }

  selectedRanger:number=0;
```

```
  public rangers:any=[
    {
      id:1,
      rangerName:'Conner McKnight',
      rangerType:'Red Dhino Ranger'
    },
    {
      id:2,
      rangerName:'Kira Ford',
      rangerType:'Yellow Dhino Ranger'
    },
    {
      id:3,
      rangerName:'Ethan James',
      rangerType:'Blue Dhino Ranger'
    }
  ];
  Str:String=""
  log(id:number)
  {
```

```

    for(var r of this.rangers)
    {
        if(r.id===+id)
        {
            this.Str=`You have opted ${r.rangerType} `;
        }
    }
}
}
}

```

4. Develop a Angular Project with one child control. And pass data from parent control (ex app.component.ts) to the child data via property binding.

Program:

appcomponent.html:

```

<div class="container p-2">
    <app-sample *ngFor="let ranger of Rangers" [value1]="ranger.fname"></app-sample>
</div>

```

appcomponent.ts:

```

import { Component } from '@angular/core';

```

```

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})

```

```

export class AppComponent {
  title = 'creditcard';

```

```

  Rangers=[
    {id:1,fname:"RedRanger"},
    {id:2,fname:"BlueRanger"},
    {id:3,fname:"GreenRanger"}
  ];
}

```

samplecomponent.html:

```

<p>The selected Ranger is {{ value1 }}</p>

```

samplecomponent.ts:

```

import { Component, Input, OnInit } from '@angular/core';

```

```

@Component({
  selector: 'app-sample',
  templateUrl: './sample.component.html',
  styleUrls: ['./sample.component.css']
})

```

```

export class SampleComponent implements OnInit {

```

```

constructor(){ }
@Input()
public value1:String;

ngOnInit(): void {

}
}

```

5. Develop a Angular Project that displays a list of Products details (id, name,description,cost) in a grid format. The solution should be able to display unique identifier for each record, and able to show even and odd record with efficient data update technique.

Program:

Html file:

```

<div class="container mt-5">
  <table class="table">
    <tr>
      <th>ID</th>
      <th>Product</th>
      <th>Description</th>
      <th>Cost</th>
      <th>Even</th>
      <th>Odd</th>
    </tr>
    <tr *ngFor="let person of persons; even as e; odd as o">
      <td>{{ person.Id }}</td>
      <td>{{ person.Product }}</td>
      <td>{{ person.Description }}</td>
      <td>{{ person.Cost }}</td>
      <td>{{ e }}</td>
      <td>{{ o }}</td>
    </tr>
  </table>
  <div class="row">
    <div class="col">
      <input type="number" class="form-control" placeholder="Id" [(ngModel)]="Id">
    </div>
    <div class="col">
      <input type="text" class="form-
control" placeholder="Product Name" [(ngModel)]="Product">
    </div>
    <div class="col">
      <input type="text" class="form-
control" placeholder="Description" [(ngModel)]="Description">
    </div>
    <div class="col">
      <input type="text" class="form-control" placeholder="Cost" [(ngModel)]="Cost">
    </div>
    <div class="col">
      <button class="btn btn-success btn-
block" (click)="add(Id,Product,Description,Cost)">Add</button>

```

```

</div>
</div>

</div>

```

Ts file:

```
import { Component, Input, OnInit } from '@angular/core';
```

```

@Component({
  selector: 'app-sample',
  templateUrl: './sample.component.html',
  styleUrls: ['./sample.component.css']
})
export class SampleComponent implements OnInit {

  constructor(){}
  title = 'angularAssignment1';
  persons = [

  ];

  Id:number;
  Product: String;
  Description:String;
  Cost:String;

  add(Id,Product,Description,Cost){
    this.persons.push({
      "Id":Id,
      "Product": Product,
      "Description":Description,
      "Cost":Cost
    });

    // resetting the input field

    this.Id = undefined;
    this.Product = "";
    this.Description="";
    this.Cost="";
  }
  ngOnInit(): void {

  }
}

```

6. Develop a Angular Project that displays a list of countries(ex India.Singapore,USA,UK) in a drop down, based on the selected country we need to display specific contents to the user. If India is selected, the page should display a section asking the user to enter the name and aadhaar number, if US is selected the page should display a section asking the user to enter SSN and Passport number, in case of UK, the user should see the section to enter only the password.

Program:

Html file:

```
<div class="container p-20">
  <h3>Please select the country:</h3>
  <select [(ngModel)]="k">
    <option *ngFor="let cnt of countries" [value]="cnt.Id">{{ cnt.Country }}</option>
  </select>
</div>
<br>
<div class="container">
  <div [ngSwitch]="k">
    <div *ngSwitchCase="1">
      <div class="container">
        <div>
          <label>Enter the name:</label>
          <input type="text" class="form-control" placeholder="Username">
        </div>
        <div>
          <label>Enter the Aadhar number:</label>
          <input type="text" class="form-control" placeholder="Aadhar">
        </div>
      </div>
    </div>
    <div *ngSwitchCase="2">
      <div class="container">
        <div>
          <label>Enter the SSN number:</label>
          <input type="number" class="form-control" placeholder="SSN number">
        </div>
        <div>
          <label>Enter the passport number:</label>
          <input type="number" class="form-control" placeholder="Passport number">
        </div>
      </div>
    </div>
    <div *ngSwitchCase="3">
      <div class="container">
        <div>
          <label>Enter the Password:</label>
          <input type="password" class="form-control" placeholder="Password">
        </div>
      </div>
    </div>
  </div>
</div>
```

Ts file:

```
import { Component, Input, OnInit } from '@angular/core';
@Component({
  selector: 'app-sample',
  templateUrl: './sample.component.html',
  styleUrls: ['./sample.component.css']
})
export class SampleComponent implements OnInit {
```



```
constructor(){  
  title = 'angularAssignment1';  
  k:number=0  
  countries=[  
    {Id:1,Country:"India"},  
    {Id:2,Country:"US"},  
    {Id:3,Country:"UK"},  
  ]  
  ngOnInit(): void {  
  
  }  
}
```