

```
<> app.component.html TS app.component.ts TS app.module.ts x <> aadhar-card.component.html TS aadhar-card.component.ts

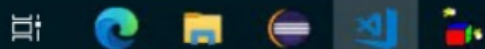
5 import { AppRoutingModuleModule } from './app-routing.module';
6 import { AppComponent } from './app.component';
7 import { AadharCardComponent } from './aadhar-card/aadhar-card.component';
8 import { AadharCardService } from './aadhar-card/aadhar-card.service';
9 import { HttpClientModule } from '@angular/common/http';
10 import { AadharNumberPipe } from './aadhar-card/aadhar-number.pipe';
11
12
13 @NgModule({
14   //User defined Components and filters needs to be registered
15   declarations: [
16     AppComponent,
17     AadharCardComponent,
18     AadharNumberPipe
19   ],
20   imports: [
21     BrowserModule,
22     AppRoutingModuleModule,
23     HttpClientModule,
24     ReactiveFormsModule // module to be included for creating ReactiveForms
25   ],
26   providers: [AadharCardService], //AadharCardService to be included to call web service
27   bootstrap: [AppComponent]
28 })
29 export class AppModule { }
30
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: powershell

```
PS C:\Users\aradhana.misra\Downloads\AngularArtifacts-master\AngularArtifacts-master\SETArtifacts\IntegratedAssignment\To_Trainee\UDAI_FrontEnd>
```

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Your desktop is currently shared

<> app.component.html

TS app.component.ts x

<> aadhar-card.component.html

TS aadhar-card.compo

```
1  import { Component } from '@angular/core';
2
3  @Component({
4    selector: 'app-root',
5    templateUrl: './app.component.html',
6    styleUrls: ['./app.component.css']
7  })
8  export class AppComponent {
9    title = 'UDAI';
10 }
11 |
```

<> app.component.html x

<> aadhar-card.component.html

TS aadhar-card.component.ts

TS aadhar-card.service.ts

app.co

```
1 <nav class="navbar navbar-expand-sm bg-dark navbar-dark">
2   <!-- Brand/logo -->
3   <a class="navbar-brand" href="#">UDAI</a>
4
5   <!-- Router Link -->
6   <ul class="navbar-nav">
7     <li class="nav-item">
8       <a [routerLink]="['/update']" class="nav-link">Update phone number</a>
9     </li>
10
11   </ul>
12 </nav>
13 <br>
14 <br>
15 <div class="container-fluid">
16   <router-outlet></router-outlet>
17   <!--Add router outlet tag here -->
18
19 </div>
20
```

nt.ts

TS aadhar-card.service.ts

TS aadhar-card.ts

TS aadhar-number.pipe.ts

TS phone-number.validator.ts

TS

```
1 import { NgModule } from '@angular/core';
2 import { Routes, RouterModule } from '@angular/router';
3 import { AadharCardComponent } from '../aadhar-card/aadhar-card.component';
4
5 //Configure the path for routing
6
7 export const routes: Routes = [
8   {path: 'update',
9     component:AadharCardComponent}
10
11 ];
12
13 @NgModule({
14   imports: [RouterModule.forRoot(routes)],
15   exports: [RouterModule]
16 })
17 export class AppRoutingModule { }
18
```

TS aadhar-card.component.ts

TS aadhar-card.service.ts

TS aadhar-card.ts

TS aadhar-number.pipe.ts

TS phone-number.valida

```
1 import { AbstractControl } from "@angular/forms";
2
3 //Validator Class to validate phone number
4 export class PhoneNumberValidator {
5
6     static noRepeat(control: AbstractControl): {'noRepeat':true} | null {
7         let regex=/(\\d)\\1{9}/
8         if(regex.test(control.value)){
9             return {'noRepeat':true};
10        }
11        return null;
12    }
13 }
14 }
15
```

Debug Terminal Help

adhar-number.pipe.ts

adhar-card.component.html

TS adhar-card.component.ts

TS adhar-card.service.ts

TS adhar-card.ts

TS adhar-number.pipe.ts x

TS phone

...

```
1 import { Pipe, PipeTransform } from '@angular/core';
2
3 @Pipe({
4   name: 'adharNumber'
5 })
6 export class AadharNumberPipe implements PipeTransform {
7
8   transform(adharNo: string): string {
9
10    return adharNo.substring(0,4)+"-"+adharNo.substring(4,8)+"-"+adharNo.substring(8,12);
11  }
12
13
14 }
15
```


adhar-card.component.html

TS adhar-card.component.ts

TS adhar-card.service.ts x

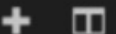
TS adhar-number.pipe.ts

TS phone-number.validator.ts

```
1 import { Injectable } from '@angular/core';
2 import { HttpClient } from '@angular/common/http';
3 import { Observable } from 'rxjs';
4 import { AadharCard } from '../adhar-card';
5
6 @Injectable()
7 export class AadharCardService {
8
9     constructor(private http:HttpClient) { }
10
11
12     getAadhar(data: AadharCard) : Observable<AadharCard> {
13
14         return this.http.post<AadharCard>('http://localhost:8765/AadharAPI/getAadhar' ,data);
15
16     }
17
18     updatePhoneNumber(data: AadharCard): Observable<AadharCard> {
19
20         return this.http.post<AadharCard>('http://localhost:8765/AadharAPI/updatePhoneNumber' ,data);
21
22     }
23
24 }
25
26 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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aadhar-card.component.html

TS aadhar-card.component.ts x

TS aadhar-card.service.ts

TS aadhar-number.pipe.ts

TS phone-number.va

```
49     this.updatePhoneNumberForm.patchValue
50     ({aadharNumber: aadhar.aadharNumber, phoneNumber: aadhar.phoneNumber})
51   },
52   error=>this.errorMessage=error.error.message
53
54   )
55 }
56
57 updatePhoneNumber() {
58   this.successMessage=null;
59   this.errorMessage=null;
60   this.aadhaarCardService.updatePhoneNumber(this.updatePhoneNumberForm.value).subscribe(
61     aadhar=>{
62       this.successMessage="Phone number updated successfully as "+aadhar.phoneNumber;
63       console.log(aadhar)
64
65     },
66     error=>this.errorMessage=error.error.message
67
68   )
69
70
71 }
72 }
73
```



```

30  ngOnInit() {
31    this.getAadharForm=this.formBuilder.group({
32      aadharNumber:['',[Validators.required,Validators.minLength(12),Validators.maxLength(12)]]
33    })
34  }
35  this.updatePhoneNumberForm=this.formBuilder.group({
36    aadharNumber:['',Validators.required],
37    phoneNumber:['',[Validators.required,PhoneNumberValidator.noRepeat,
38      Validators.min(1000000000),Validators.max(9999999999)]],
39  })
40  }
41
42  getAadhar() {
43    this.successMessage=null;
44    this.errorMessage=null;
45    this.aadhaarCardService.getAadhar(this.getAadharForm.value).subscribe(
46      aadhar=>{
47        this.myAadhar=aadhar;
48        console.log(aadhar)
49        this.updatePhoneNumberForm.patchValue
50        ({aadharNumber:aadhar.aadharNumber,phoneNumber:aadhar.phoneNumber})
51      },
52      error=>this.errorMessage=error.error.message
53    )
54  }
55  }
56
57  updatePhoneNumber() {
```

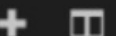
```

//update phone number form variable to group the form controls aadhar number and phone number
11 updatePhoneNumberForm: FormGroup;
12
13 //Inject AadharCardService and FormBuilder object to the constructor
14
15 constructor(private formBuilder:FormBuilder,private aadhaarCardService:AadharCardService) {
16
17 }
18
19
20 ngOnInit() {
21   this.getAadharForm=this.formBuilder.group({
22     aadharNumber:["",[Validators.required,Validators.minLength(12),Validators.maxLength(12)]]
23   })
24   this.updatePhoneNumberForm=this.formBuilder.group({
25     aadharNumber:['',Validators.required],
26     phoneNumber:['',[Validators.required,PhoneNumberValidator.noRepeat,
27       Validators.min(1000000000),Validators.max(9999999999)]],
28   })
29 }
30
31 getAadhar() {
32   this.successMessage=null;
33   this.errorMessage=null;
34   this.aadhaarCardService.getAadhar(this.getAadharForm.value).subscribe(
35     aadhar=>{

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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 ment\To Trainee\UDAT FrontEnd>

```

    </table>
  </div>
  <!-- Update Aadhar form -->
  <form *ngIf="myAadhar" [formGroup]="updatePhoneNumberForm" (ngSubmit)="updatePhoneNumber()">
    <div class="form-group">
      <label class="font-weight-bold">Phone Number</label>
      <input type="text" class="form-control" formControlName="phoneNumber">
      <p *ngIf="updatePhoneNumberForm.controls.phoneNumber.hasError('min')
        ||updatePhoneNumberForm.controls.phoneNumber.hasError('max')
        ||updatePhoneNumberForm.controls.phoneNumber.hasError('noRepeat')" class="text-danger">
        Phone number is invalid</p>

      <div class="form-group">

        <button [disabled]="!updatePhoneNumberForm.valid" class="btn btn-primary" type="submit">Update Phone N
      </div>
    </div>
  </form>

```

```

<span class="text-success">{{successMessage}}</span>
<span class="text-danger">{{errorMessage}}</span>
  </div>
</div>
</div>
</div>

```

component.html

aadhar-card.component.html x

TS aadhar-number.pipe.ts

TS phone-number.validator.ts

aadhar-card.component.css

```
18 <table>
19   <tbody>
20     <tr>
21       <td>Aadhar Number</td>
22       <td>{{myAadhar.aadharNumber| aadharNumber}}</td>
23     </tr>
24     <tr>
25       <td>Name</td>
26       <td>{{myAadhar.name}}</td>
27     </tr>
28     <tr>
29       <td>
30         Address
31       </td>
32       <td>{{myAadhar.address}}</td>
33     </tr>
34   </tbody>
35 </table>
36 </div>
37 <!-- Update Aadhar form -->
38 <form *ngIf="myAadhar" [formGroup]="updatePhoneNumberForm" (ngSubmit)="updatePhoneNumber()">
39   <div class="form-group">
40     <label class="font-weight-bold">Phone Number</label>
41     <input type="text" class="form-control" formControlName="phoneNumber">
42     <p *ngIf="updatePhoneNumberForm.controls.phoneNumber.hasError('min')
43       ||updatePhoneNumberForm.controls.phoneNumber.hasError('max')
44       ||updatePhoneNumberForm.controls.phoneNumber.hasError('noRepeat')" class="text-danger">
45       Phone number is invalid</p>
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: powershell

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component.html

aadhar-card.component.html x

TS aadhar-number.pipe.ts

TS phone-number.validator.ts

aadhar-card.component.css



```
1 <div class="row">
2   <div class="col-md-5 offset-md-4">
3     <div class="card">
4       <div class="card-header bg-primary">Change aadhar details</div>
5       <div class="card-body">
6         <!-- get aadhar form -->
7         <form [formGroup]="getAadharForm" (ngSubmit)="getAadhar()">
8           <div class="form-group">
9             <label class="font-weight-bold">Aadhar Number</label>
10            <input type="text" class="form-control" formControlName="aadharNumber">
11            <p *ngIf="getAadharForm.controls.aadharNumber.hasError('minlength')
12              || getAadharForm.controls.aadharNumber.hasError('maxlength')" class="text-danger">
13              Should be a 12 digit number</p>
14            </div>
15            <button [disabled]="!getAadharForm.valid" class="btn btn-primary" type="submit">Get Details</button>
16          </form>
17          <div *ngIf="myAadhar">
18            <table>
19              <tbody>
20                <tr>
21                  <td>Aadhar Number</td>
22                  <td>{{myAadhar.aadharNumber | aadharNumber}}</td>
23                </tr>
24                <tr>
25                  <td>Name</td>
26                  <td>{{myAadhar.name}}</td>
27                </tr>
28                <tr>
```