FrontEnd:

Index.html:

```html
<!doctype html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>FrontendApp</title>
    <base href="/">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="icon" type="image/x-icon" href="favicon.ico">
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css"
integrity="sha384-
xOolHFLEh07PJGoPkLv1IbcEPTNtaed2xpHsD9ESMhqIYd0nLMwNLD69Npy4HI+N"
crossorigin="anonymous">
</head>
<body>
    <app-root></app-root>
    <script src="https://cdn.jsdelivr.net/npm/jquery@3.5.1/dist/jquery.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
Fy6S3B9q64WdZWQUiU+q4/2Lc9npb8tCaSX9FK7E8HnRr0Jz8D6OP9dO5Vg3Q9ct"
crossorigin="anonymous"></script>
    <!-- JavaScript Bundle with Popper -->
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>
</body>
</html>
```

Admindashboard(component)
Admindashboard.component.html:

```html
<div class="fluid container mt-5 ">
    <h1 class="text-center">Welcome Aadhaar Admin</h1><br><br>
    <div class="row text-center">
     <div class="col text-center">
      <div class="card text-white bg-success mb-3" style="max-width: 18rem;">
        <div class="card-body">
         <h5 class="card-title"><a routerLink="/allusers" style="color:white ;">List All
Users</a></h5>
         <p class="card-text">Here we Can view all the available Users in System</p>
        </div>
```

```html
        </div>
      </div>
      <div class="col text-center">
        <div class="card text-white bg-info mb-3" style="max-width: 18rem;">
          <div class="card-body">
            <h5 class="card-title"><a routerLink="/approve" style="color:white ;">Approve
New Users</a></h5>
            <p class="card-text">Here we can approve and review modifications</p>
          </div>
        </div>
      </div>
    </div>
  </div>
```

Admindashboard.component.spec.ts:
```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';

import { AdmindashboardComponent } from './admindashboard.component';

describe('AdmindashboardComponent', () => {
  let component: AdmindashboardComponent;
  let fixture: ComponentFixture<AdmindashboardComponent>;

  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [ AdmindashboardComponent ]
    })
    .compileComponents();

    fixture = TestBed.createComponent(AdmindashboardComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

Admindashboard.component.ts:
```typescript
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';

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

```
  user:string ="";
  constructor(private router:Router) { }

  ngOnInit(): void {
    let obj = sessionStorage.getItem("userDetails");
    if(obj!=null){
      this.user=obj;
    }
  }
}
```

Allusers(component):
Allusers.component.html:
```html
<div class="container mt-5">

    <table class="table">
        <thead class="thead-dark">
         <tr>
           <th scope="col">Id</th>
           <th scope="col">Name</th>
           <th scope="col">DOB</th>
           <th scope="col">Address</th>
           <th scope="col">Email id</th>
           <th scope="col">Mobile Number </th>
           <th scope="col">Gender</th>
          </tr>
        </thead>
        <tbody>

          <tr *ngFor="let u of users">
            <td>{{u.id}}</td>
            <td>{{u.name}}</td>
            <td>{{u.dob}}</td>
            <td>{{u.address}}</td>
            <td>{{u.email}}</td>
            <td>{{u.mobile}}</td>
            <td>{{u.gender}}</td>
          </tr>
        </tbody>
      </table>

</div>
```

Allusers.component.spec.ts:
```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { AllusersComponent } from './allusers.component';

describe('AllusersComponent', () => {
  let component: AllusersComponent;
  let fixture: ComponentFixture<AllusersComponent>;
```

```
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [ AllusersComponent ]
    })
    .compileComponents();

    fixture = TestBed.createComponent(AllusersComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

Allusers.component.ts:
```
import { ProductService } from './../product.service';
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';
import { Observable  }  from  'rxjs';
import { UserClass } from '../UserClass';

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

  allusers:Observable<UserClass[]>;

  constructor(private router:Router, private service:ProductService) { }
  users:UserClass[];

  ngOnInit(): void {

    this.getusers();
  }
getusers(){
  this.service.getAllUser().subscribe(result=>this.users=result);
  }

}
```

Editusers(component)
Editusers.component.html:
```
  <!-- Modal -->
```

```html
<div class="modal fade" id="exampleModal" tabindex="-1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">
  <div class="modal-dialog" role="document">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="exampleModalLabel">Sucess</h5>
        <button type="button" class="close" data-dismiss="modal" aria-label="Close">
          <span aria-hidden="true">&times;</span>
        </button>
      </div>
      <div class="modal-body">
        <h1>Your Request Processed Sucessfully</h1>
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>
      </div>
    </div>
  </div>
</div>
<div class="container mt-5">
  <table class="table">
    <thead class="thead-dark">
      <tr>
        <th scope="col">Id</th>
        <th scope="col">Name</th>
        <th scope="col">DOB</th>
        <th scope="col">Address</th>
        <th scope="col">Email id</th>
        <th scope="col">Mobile Number </th>
        <th scope="col">Gender</th>
        <th scope="col">Action</th>
      </tr>
    </thead>
    <tbody>
      <tr *ngFor="let u of users">
        <td>{{u.id}}</td>
        <td>{{u.name}}</td>
        <td>{{u.dob}}</td>
        <td>{{u.address}}</td>
        <td>{{u.email}}</td>
        <td>{{u.mobile}}</td>
        <td>{{u.gender}}</td>
        <td>
        <div class="row">
          <div class="col"><button type="button" class="btn btn-success" data-toggle="modal" data-target="#exampleModal">Approve</button></div>
          <div class="col"><button type="button" (click)='BookDelete(u.id)' class="btn btn-danger">Delete</button></div>
        </div>
```

```
        </td>
      </tr>
    </tbody>
  </table>
</div>
```

Editusers.component.spec.ts:
```
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { EditusersComponent } from './editusers.component';
describe('EditusersComponent', () => {
  let component: EditusersComponent;
  let fixture: ComponentFixture<EditusersComponent>;

  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [ EditusersComponent ]
    })
    .compileComponents();

    fixture = TestBed.createComponent(EditusersComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

Editusers.component.ts:
```
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';
import { Observable } from 'rxjs';
import { ProductService } from '../product.service';
import { UserClass } from '../UserClass';
@Component({
  selector: 'app-editusers',
  templateUrl: './editusers.component.html',
  styleUrls: ['./editusers.component.css']
})
export class EditusersComponent implements OnInit {
  allusers:Observable<UserClass[]>;
  constructor(private router:Router, private service:ProductService) { }
  users:UserClass[];
  ngOnInit(): void {
    this.getusers();
  }
```

```
  getusers(){
   this.service.getAllUser().subscribe(result=>this.users=result);
  }

  BookDelete(id:number){
    this.service.deletePost(id);
    console.log("user deleted");
    this.onReload();
}

onReload(){
 this.router.navigate(['/approve']);
 this.ngOnInit();
}
}
```

Footer(component):
Footer.component.html:

```html
  <style media="screen">
   footer{
      position:absolute;
      bottom: 0;
      left: 0;
      right: 0;
      background: #111;
      height: auto;
      width: 100vw;
      color: #fff;
      padding: top 5px;;
   }
   .footer-content{
      display: flex;
      align-items: center;
      justify-content: center;
      flex-direction: column;
      text-align: center;
   }

   .footer-content p{
      max-width: 500px;
      line-height: 20px;
      font-size: 14px;
      color: #cacdd2;
   }

   @media (max-width:500px) {
   .footer-menu ul{
```

```css
    display: flex;
    margin-top: 10px;
    margin-bottom: 20px;
  }
  }
    </style>
    <footer>
      <div class="footer-content">
        <h4>M-Aadhaar</h4>
        <p>copyright &copy; <a href="#"> Developers</a>  </p>
      </div>
    </footer>
```

Footer.component.spec.ts:
```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';

import { FooterComponent } from './footer.component';

describe('FooterComponent', () => {
 let component: FooterComponent;
 let fixture: ComponentFixture<FooterComponent>;

 beforeEach(async () => {
  await TestBed.configureTestingModule({
   declarations: [ FooterComponent ]
  })
  .compileComponents();

  fixture = TestBed.createComponent(FooterComponent);
  component = fixture.componentInstance;
  fixture.detectChanges();
 });

 it('should create', () => {
  expect(component).toBeTruthy();
 });
});
```

Footer.component.ts:
```typescript
import { Component, OnInit } from '@angular/core';

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

```
  constructor() { }

  ngOnInit(): void {
  }
}
```

Header(component)
Header.component.html:
```html
<nav class="navbar navbar-expand-lg navbar-dark bg-primary">
   <div class="container-fluid">
     <a class="navbar-brand" href="#">M-Aadhaar</a>
     <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
       <span class="navbar-toggler-icon"></span>
     </button>
     <div class="collapse navbar-collapse" id="navbarSupportedContent">
      <ul class="navbar-nav me-auto mb-2 mb-lg-0">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" routerLink="/home">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" routerLink="/adminHome"
          *ngIf="isAdmin()"
          >Admin Dashboard</a>
        </li>
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" routerLink="/userHome"
          *ngIf="isUser()"
          >User Dashboard</a>
        </li>

      </ul>
     </div>
     <button *ngIf="!isLoggedIn()" type="button" class="btn btn-success"
routerLink="/login">Login</button>
     <button *ngIf="isLoggedIn()" type="button" class="btn btn-danger" (click)="logout()"
>Logout</button>
   </div>
 </nav>
```

Header.component.spec.ts:
```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { HeaderComponent } from './header.component';
describe('HeaderComponent', () => {
 let component: HeaderComponent;
 let fixture: ComponentFixture<HeaderComponent>;
 beforeEach(async () => {
   await TestBed.configureTestingModule({
```

```
    declarations: [ HeaderComponent ]
  })
  .compileComponents();

  fixture = TestBed.createComponent(HeaderComponent);
  component = fixture.componentInstance;
  fixture.detectChanges();
 });

 it('should create', () => {
  expect(component).toBeTruthy();
 });
});
```

Header.component.ts:
```
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';
@Component({
 selector: 'app-header',
 templateUrl: './header.component.html',
 styleUrls: ['./header.component.css']
})
export class HeaderComponent implements OnInit {
 constructor(public router:Router) { }
 ngOnInit(): void {
 }

 isAdmin(){
  if(sessionStorage.getItem("userDetails")=="admin")
  return true;
 }
 isUser(){
  if(sessionStorage.getItem("userDetails")=="user")
    return true;

 }
 isLoggedIn(){
   if(sessionStorage.getItem("userDetails"))
      return true;
   else
     return false;
 }

 logout() {
  sessionStorage.removeItem("userDetails");
  this.router.navigate(["home"]);
 }

}
```

Home(component)
Home.component.html:
```html
<div class="container">
    <div class="text-center"><img src="assets/images/demo.png" class="img-fluid"
alt="..."></div>
    <h3>Aadhaar is</h3>
    <ul class="aad-is-dv1">
      <li><span class="li-text">A 12-digit unique identity for every Indian individual,
including children and infants</span></li>
      <li><span class="li-text">Enables identification for every resident Indian</span></li>
      <li><span class="li-text">Establishes uniqueness of every individual on the basis of
demographic and biometric information</span></li>
      <li><span class="li-text">It is a voluntary service that every resident can avail
irrespective of present documentation </span></li>
      <li><span class="li-text">Each individual will be given a single unique Aadhaar ID
number</span></li>
      </ul>

 </div>
```

Home.component.spec.ts:
```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { HomeComponent } from './home.component';
describe('HomeComponent', () => {
  let component: HomeComponent;
  let fixture: ComponentFixture<HomeComponent>;
  beforeEach(async () => {
   await TestBed.configureTestingModule({
    declarations: [ HomeComponent ]
   })
   .compileComponents();

   fixture = TestBed.createComponent(HomeComponent);
   component = fixture.componentInstance;
   fixture.detectChanges();
  });

  it('should create', () => {
   expect(component).toBeTruthy();
  });
});
```

Home.component. HYPERLINK "http://home.component.ts/"ts:
```typescript
import { Component, OnInit } from '@angular/core';
@Component({
  selector: 'app-home',
  templateUrl: './home.component.html',
```

```
  styleUrls: ['./home.component.css']
})

export class HomeComponent implements OnInit {
  constructor() { }
  ngOnInit(): void {
  }
}
```

Login(component):
Login.component.html:
```
<div class="container mt-5">
   <div class="card" style="padding: 20px;">
      <form [formGroup]="loginRef" (ngSubmit)="signIn()">
         <input type="text"
         ngModel
         name="userName"
         id="userName"
         placeholder="Enter your username"
         class="form-control mb-3"
         formControlName="emailid"
         >
         <input type="password"
         ngModel
         name="userPassword"
         id="userPassword"
         placeholder="Enter your password"
         class="form-control mb-3"
         formControlName="password"
         >
         <div class="row text-center">
            <div class="col"><input type="radio" name="typeOfUser" value="admin"
formControlName="typeOfUser"/><h5>admin</h5>
            </div>
            <div class="col"><input type="radio" name="typeOfUser" value="user"
formControlName="typeOfUser"/><h5>user</h5>
            </div>
         </div>
         <input type="submit"
          value="signIn"
         class="btn btn-success form-control rounded-0">
         <br><br>
         <input type="reset" value="reset"
         class="btn btn-primary form-control rounded-0">
      </form>
      <br>
      <span style="color:red">{{msg}}</span><br/>
      <a class="text-center" routerLink="/signUp"><h4>SignUp</h4></a>
   </div>
</div>
```

Login.component.spec.ts:

```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { LoginComponent } from './login.component';
describe('LoginComponent', () => {
  let component: LoginComponent;
  let fixture: ComponentFixture<LoginComponent>;
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [ LoginComponent ]
    })
    .compileComponents();

    fixture = TestBed.createComponent(LoginComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

Login.component.ts:

```typescript
import { Component, OnInit } from '@angular/core';
import {FormGroup,FormControl} from '@angular/forms';
import { Router } from '@angular/router';
import { LoginService } from '../login.service';
@Component({
  selector: 'app-login',
  templateUrl: './login.component.html',
  styleUrls: ['./login.component.css']
})
export class LoginComponent implements OnInit {
  loginRef = new FormGroup({
    emailid:new FormControl(),
    password:new FormControl(),
    typeOfUser:new FormControl()
  });
  msg:string=""
  constructor(public ls:LoginService,public router:Router) { }
  ngOnInit(): void {
  }
  signIn(){
    let login = this.loginRef.value;
    console.log(login);
    this.ls.signIn(login).subscribe({
    next:(result:any)=>{
      console.log(result);
```

```
    if(result=="Admin sucessfully login"){
      sessionStorage.setItem("userDetails",login.emailid);
      this.router.navigate(["adminHome"])
    }else if(result=="User successfully login"){
     sessionStorage.setItem("userDetails",login.emailid);
     this.router.navigate(["userHome"])
    }else {
      this.msg=result;
    }
  },
  error:(error:any)=>console.log(error),
  complete:()=>console.log("completed")
})
  }
}
```

Signup(component)
Signup.component.html:
```html
<div class="container mt-5">
   <h2 class="text-center">Create your Account </h2>
   <div class="card" style="padding: 20px;">
     <form [formGroup]="loginRef" (ngSubmit)="signUp()">
       <input type="text"
       ngModel
       name="userName"
       id="userName"
       placeholder="Enter your username"
       class="form-control mb-3"
       formControlName="emailid"
       >
       <input type="password"
       ngModel
       name="userPassword"
       id="userPassword"
       placeholder="Enter your password"
       class="form-control mb-3"
       formControlName="password"
       >
       <div class="row text-center">
          <div class="col"><input type="radio" name="typeOfUser" value="admin"
formControlName="typeOfUser"/><h5>admin</h5>
          </div>
          <div class="col"><input type="radio" name="typeOfUser" value="user"
formControlName="typeOfUser"/><h5>user</h5>
          </div>
       </div>
       <input type="submit"
       value="signUp"
       class="btn btn-success form-control rounded-0">
       <br><br>
```

```html
          <input type="reset" value="reset"
            class="btn btn-primary form-control rounded-0">
      </form>
      <br>
      <span style="color:red" class="text-center">{{msg}}</span>
      <a class="text-center" routerLink="/login"><h4>Login</h4></a>
    </div>
</div>
```

Signup.component.spec.ts:
```typescript
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { SignupComponent } from './signup.component';
describe('SignupComponent', () => {
  let component: SignupComponent;
  let fixture: ComponentFixture<SignupComponent>;
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [ SignupComponent ]
    })
    .compileComponents();

    fixture = TestBed.createComponent(SignupComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

Signup.component.ts:
```typescript
import { Component, OnInit } from '@angular/core';
import {FormGroup,FormControl} from '@angular/forms';
import { LoginService } from '../login.service';
@Component({
  selector: 'app-signup',
  templateUrl: './signup.component.html',
  styleUrls: ['./signup.component.css']
})
export class SignupComponent implements OnInit {
  loginRef = new FormGroup({
    emailid:new FormControl(),
    password:new FormControl(),
    typeOfUser:new FormControl()
  });
  msg:string=""
  constructor(public ls:LoginService) { }
  ngOnInit(): void {
```

```
  }


  signUp() {
   let login = this.loginRef.value;
   this.ls.signUp(login).subscribe({
   next:(result:any)=>this.msg=result,
   error:(error:any)=>console.log(error),
   complete:()=>console.log("completed")
   })
  }
}
```

Userdashboard(component)
Userdashboard.component.html:

```html
<style>
   .custom {
   width: 200px !important;
}
</style>
<div class="fluid-container text-center p-5 " style="background-color:rgb(222, 235, 208)">

   <h1>Welcome to M-Aadhaar page</h1>
   <br><br><br>
   <div class="row">
    <div class="col">
     <img src="assets/images/aadhar.png" class="img-fluid" alt="...">
    </div>
    <div class="col">
     <div class="d-grid gap-2 col-8 mx-auto">
       <button type="button" class="btn btn-primary btn-lg rounded custom" data-
toggle="modal" data-target="#exampleModal">Update Aadhaar</button><br><br>
       <button type="button" class="btn btn-secondary btn-lg rounded custom" data-
toggle="modal" data-target="#exampleModal2">Duplicate Aadhaar</button><br><br>
       <button type="button" class="btn btn-success btn-lg rounded custom" data-
toggle="modal" data-target="#exampleModal">New Aadhaar</button><br><br>
       <button type="button" class="btn btn-danger btn-lg rounded custom" data-
toggle="modal" data-target="#exampleModal3">Delete Aadhaar</button><br><br>
     </div>
    </div>
   </div>
  </div>

  <!-- Modal for creation -->
  <div class="modal fade" id="exampleModal" tabindex="-1" role="dialog" aria-
labelledby="exampleModalLabel" aria-hidden="true">
   <div class="modal-dialog" role="document">
    <div class="modal-content">
     <div class="modal-header">
```

```html
      <h5 class="modal-title" id="exampleModalLabel">Modal title</h5>
      <button type="button" class="close" data-dismiss="modal" aria-label="Close">
       <span aria-hidden="true">&times;</span>
      </button>
    </div>
    <div style="width: 500px; margin: auto;" class="modal-body">
      <div class="submit-form">
       <div *ngIf="!isBookAdded">
        <div class="form-group">
         <label for="name">Name</label>
         <input class="form-control" id="name" required [(ngModel)]="user.name"
name="email"/>
         </div>

         <div class="form-group">
          <label for="dob">Date of birth</label>
          <input class="form-control" id="dob" required [(ngModel)]="user.dob"
name="dob"/>
         </div>

         <div class="form-group">
          <label for="address">Address</label>
          <input class="form-control" id="address" required [(ngModel)]="user.address"
name="address" />
         </div>

         <div class="form-group">
          <label for="email">Email</label>
          <input class="form-control" id="email" required [(ngModel)]="user.email"
name="email" />
         </div>

         <div class="form-group">
          <label for="mobile">Mobile</label>
          <input class="form-control" id="mobile" required [(ngModel)]="user.mobile"
name="mobile"/>
         </div>

         <div class="form-group">
          <label for="gender">Gender</label>
          <input class="form-control" id="gender" required [(ngModel)]="user.gender"
name="gender" />
         </div>
         <button (click)="addUser()" class="btn btn-success">Create</button>
       </div>

       <div *ngIf="isBookAdded">
        <h3>Data added SUccessFully</h3>
       </div>
      </div>
```

```html
          </div>
        </div>
      </div>
    </div>


    <!-- Modal for duplicate -->
    <div class="modal fade" id="exampleModal2" tabindex="-1" role="dialog" aria-
labelledby="exampleModalLabel" aria-hidden="true">
      <div class="modal-dialog" role="document">
        <div class="modal-content">
          <div class="modal-header">
            <h5 class="modal-title" id="exampleModalLabel">Modal title</h5>
            <button type="button" class="close" data-dismiss="modal" aria-label="Close">
              <span aria-hidden="true">&times;</span>
            </button>
          </div>
          <div class="modal-body">
            <h4 style="color:green ;">Your Aadhhar card has been successfully duplicated. It will
be delivered to a registered address in 30 working days.
            </h4><br>
            <h4 style="color:rgb(126, 126, 246);">Thank you for using m-Aadhaar
services!</h4>
          </div>
          <div class="modal-footer">
            <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
          </div>
        </div>
      </div>
    </div>
    <!-- Modal for delete -->
    <div class="modal fade" id="exampleModal3" tabindex="-1" role="dialog" aria-
labelledby="exampleModalLabel" aria-hidden="true">
      <div class="modal-dialog" role="document">
        <div class="modal-content">
          <div class="modal-header">
            <h5 class="modal-title" id="exampleModalLabel">Delete Aadhaar Card</h5>
            <button type="button" class="close" data-dismiss="modal" aria-label="Close">
              <span aria-hidden="true">&times;</span>
            </button>
          </div>
          <div class="modal-body">
            <h4 style="color:green ;">Your request was placed successfully</h4><br>
            <h4 style="color: red;">The Aadhaar card gets deleted once the admin gets
noticed</h4>
          </div>
          <div class="modal-footer">
            <button type="button" class="btn btn-secondary" data-
dismiss="modal">Close</button>
          </div>
```

```
    </div>
   </div>
  </div>
```

Userdashboard.component.spec.ts:
```
import { ComponentFixture, TestBed } from '@angular/core/testing';
import { UserdashboardComponent } from './userdashboard.component';
describe('UserdashboardComponent', () => {
  let component: UserdashboardComponent;
  let fixture: ComponentFixture<UserdashboardComponent>;
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      declarations: [ UserdashboardComponent ]
    })
    .compileComponents();
    fixture = TestBed.createComponent(UserdashboardComponent);
    component = fixture.componentInstance;
    fixture.detectChanges();
  });

  it('should create', () => {
    expect(component).toBeTruthy();
  });
});
```

Userdashboard.components.ts:
```
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';
import { ProductService } from '../product.service';
@Component({
  selector: 'app-userdashboard',
  templateUrl: './userdashboard.component.html',
  styleUrls: ['./userdashboard.component.css']
})
export class UserdashboardComponent implements OnInit {
  constructor(public router:Router,private service:ProductService) { }
  ngOnInit(): void {
  }
  user = {
   name: '',
   dob:'',
   address:'',
   email: '',
   mobile:'',
   gender:'',
  };
  isBookAdded = false;
  // Add New
```

```
  addUser(): void {
   const data = {
     name: this.user.name,
     dob: this.user.dob,
     address: this.user.address,
     email: this.user.email,
     mobile: this.user.mobile,
     gender:this.user.gender,
   };
   if (!data.name) {
     alert('Please add title!');
     return;
   }

   this.service.create(data)
     .subscribe(
      response => {
        console.log(response);
        this.isBookAdded = true;

      },
      error => {
        console.log(error);
      });
  }

}
```

App-routing.module.ts:
```
import { EditusersComponent } from './editusers/editusers.component';
import { AllusersComponent } from './allusers/allusers.component';
import { HomeComponent } from './home/home.component';
import { NgModule } from '@angular/core';
import { RouterModule, Routes } from '@angular/router';import {
AdmindashboardComponent } from './admindashboard/admindashboard.component';
import { LoginComponent } from './login/login.component';
import { SignupComponent } from './signup/signup.component';
import { UserdashboardComponent } from './userdashboard/userdashboard.component';
const routes: Routes = [
  {path:"login",component:LoginComponent},
  {path:"adminHome",component:AdmindashboardComponent},
  {path:"userHome",component:UserdashboardComponent},
  {path:"signUp",component:SignupComponent},
  {path:"home",component:HomeComponent},
  {path:"allusers",component:AllusersComponent},
  {path:"approve",component:EditusersComponent},
  {path:"",redirectTo:"home",pathMatch:"full"}
];

@NgModule({
```

```
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
})
export class AppRoutingModule { }
```

App-component.html:

```
  <app-header></app-header>
  <router-outlet></router-outlet>
  <app-footer></app-footer>
```

App-component.spec.ts:
```
import { TestBed } from '@angular/core/testing';
import { RouterTestingModule } from '@angular/router/testing';
import { AppComponent } from './app.component';

describe('AppComponent', () => {
  beforeEach(async () => {
    await TestBed.configureTestingModule({
      imports: [
        RouterTestingModule
      ],
      declarations: [
        AppComponent
      ],
    }).compileComponents();
  });

  it('should create the app', () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.componentInstance;
    expect(app).toBeTruthy();
  });

  it(`should have as title 'frontend-app`, () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.componentInstance;
    expect(app.title).toEqual('frontend-app');
  });

  it('should render title', () => {
    const fixture = TestBed.createComponent(AppComponent);
    fixture.detectChanges();
    const compiled = fixture.nativeElement as HTMLElement;
    expect(compiled.querySelector('.content span')?.textContent).toContain('frontend-app app
is running!');
  });
});
```

App-component.ts:

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

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'frontend-app';
}
```

App-module.ts:

```
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import {HttpClientModule} from '@angular/common/http';
import { FormsModule,ReactiveFormsModule } from '@angular/forms';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { LoginComponent } from './login/login.component';
import { SignupComponent } from './signup/signup.component';
import { UserdashboardComponent } from './userdashboard/userdashboard.component';
import { AdmindashboardComponent } from
'./admindashboard/admindashboard.component';import { HeaderComponent } from
'./header/header.component';
import { FooterComponent } from './footer/footer.component';
import { HomeComponent } from './home/home.component';
import { AllusersComponent } from './allusers/allusers.component';
import { EditusersComponent } from './editusers/editusers.component';
@NgModule({
  declarations: [
    AppComponent,
    LoginComponent,
    SignupComponent,
    UserdashboardComponent,
    AdmindashboardComponent,
    HeaderComponent,
    FooterComponent,
    HomeComponent,
    AllusersComponent,
    EditusersComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,HttpClientModule,FormsModule,ReactiveFormsModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
```

```
export class AppModule { }
```

Login.service.spec.ts:
```
import { TestBed } from '@angular/core/testing';
import { LoginService } from './login.service';
describe('LoginService', () => {
 let service: LoginService;
 beforeEach(() => {
 TestBed.configureTestingModule({});
  service = TestBed.inject(LoginService);
 });

 it('should be created', () => {
  expect(service).toBeTruthy();
 });
});
```

Login.service.ts:
```
import { HttpClient } from '@angular/common/http';
import { Injectable } from '@angular/core';
import { Observable } from 'rxjs';

@Injectable({
 providedIn: 'root'
})
export class LoginService {
 baseURL:string ="http://localhost:9090/login";
 constructor(public http:HttpClient) { }

 signIn(login:any):Observable<string> {
  return this.http.post(this.baseURL+"/signIn",login,{responseType:"text"});
 }
 signUp(login:any):Observable<string> {
  return this.http.post(this.baseURL+"/signUp",login,{responseType:"text"});
 }
}
```

Login.spec.ts:
```
import { Login } from './login';
describe('Login', () => {
 it('should create an instance', () => {
  expect(new Login()).toBeTruthy();
 });
});
```

Login.ts:
```
// map to entity class or json data.
export class Login {
```

```typescript
    constructor(public emailid:string,
        public password:string,
        public typeOfUser:string){}
}
```

Product.service.spec.ts:
```typescript
import { TestBed } from '@angular/core/testing';
import { ProductService } from './product.service';
describe('ProductService', () => {
  let service: ProductService;
  beforeEach(() => {
  TestBed.configureTestingModule({});
    service = TestBed.inject(ProductService);
  });
  it('should be created', () => {
    expect(service).toBeTruthy();
  });
});
```

Product.service.ts:
```typescript
import { HttpClient, HttpErrorResponse, HttpHeaders } from '@angular/common/http';
import { Injectable } from '@angular/core';
import { catchError, Observable, throwError } from 'rxjs';
import { UserClass } from './UserClass';
@Injectable({
  providedIn: 'root'
})
export class ProductService {
  url:string="http://localhost:9090/api/user/";
  headers = new HttpHeaders().set('Content-Type', 'application/json');
  constructor(public http:HttpClient) { }
  //get all users
  getAllUser():Observable<UserClass[]>{
  return this.http.get<UserClass[]>(this.url);
}
//delete user by id
deletePost(id:number) {
let endPoints = id;
  this.http.delete(this.url + endPoints).subscribe(data => {
    return this.getAllUser();
  });
}
//post
create(data: any): Observable<any> {
  return this.http.post(this.url, data).pipe(
  catchError(this.handleError)
    );
}
 // Handle API errors
```

```
handleError(error: HttpErrorResponse) {
  if (error.error instanceof ErrorEvent) {
    console.error('An error occurred:', error.error.message);
  } else {
    console.error(
      `Backend returned code ${error.status}, ` +
      `body was: ${error.error}`);
  }
  return throwError(
    'Something bad happened; please try again later.');
};
}
```

UserClass.ts:
```
export class UserClass{
    id: number;
    name: string;
    dob:string;
    address:string;
    email: string;
    mobile:string;
    gender:string;


}
```

Docker File

```
FROM nginx
COPY dist/aadhar-frontend//usr/share/nginx/html(varies as per path)
```

Docker-Compose

```
version: "3"
services:
  aadhar-backend:
    image: NarigeNavya/aadhar-backend-app:1.0 (sample user name)
    ports:
      - "9090:9090"
    networks:
      - maadhar-application
  aadhar-frontend:
    image: NarigeNavya /aadhar-frontend-app:1.0 (sample user name)
    ports:
      - "80:80"
    depends_on:
      - aadhar-backend
    networks:
      - maadhar-application
networks:
  maadhar-application:
```