Source Code

Tutorial 7

Mongo Database Connection (app.js)

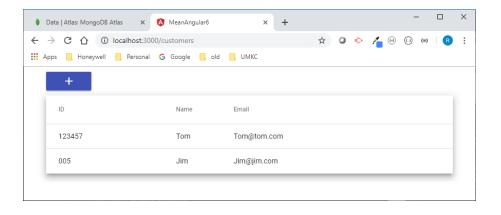
```
var mongoose = require('mongoose');
mongoose.connect('mongodb+srv://ase:ase@cluster0-rtt01.mongodb.net/asecustdb?retryWrites=true&w=majority')
then(() => console.log('connection successful'))
catch((err) => console.error(err));
```

Mongo Schema (Customer.js)

Home Page (customer.component.html)

```
<u>File Edit Selection View Go Debug Terminal Help</u>
                                                       თ ш …
   customer.component.html ×
0
     div class="button-row"
      <a mat-raised-button color="primary" [routerLink]="['/customer-create']">
م
       <mat-icon>add</mat-icon>
      (%)
<ng-container matColumnDef="custid">
         ID
         {{element.custid}} 
       <ng-container matColumnDef="name"</pre>
       <ng-container matColumnDef="email">
        Email
         {{element.email}} 

   C OOAO
```

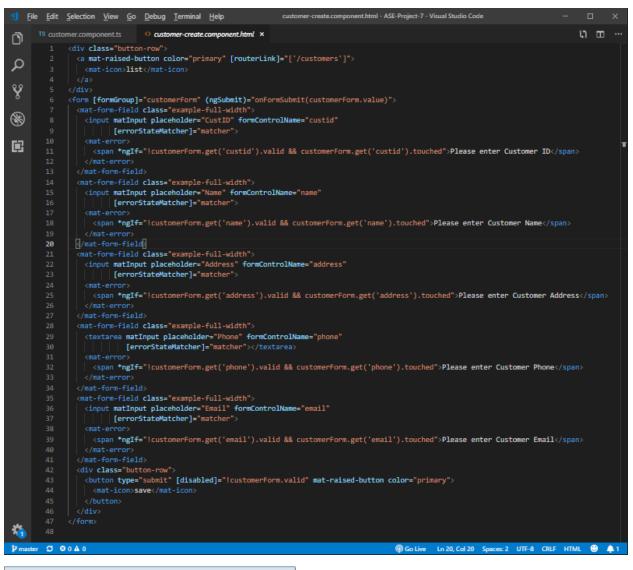


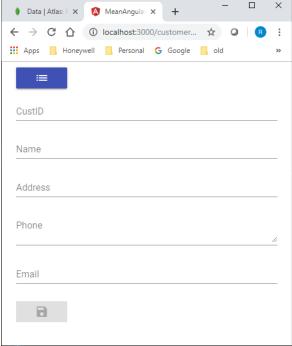
Home Page TS file (customer.component.ts)

```
▼ File Edit Selection View Go …

                                        customer.component.ts - ASE-Project-7...
      TS customer.component.ts ×
                                                                            th ⊞ …
             import {Component, OnInit} from '@angular/core';
             import {ApiService} from '../api.service';
import {DataSource} from '@angular/cdk/collections';
import {Observable} from 'rxjs';
             @Component({
               selector: 'app-customer',
               templateUrl: './customer.component.html',
               styleUrls: ['./customer.component.css']
中
             export class CustomerComponent implements OnInit {
               customers: any;
               displayedColumns = ['custid', 'name', 'email'];
               dataSource = new CustomerDataSource(this.api);
               constructor(private api: ApiService) {
               ngOnInit() {
                 this.api.getCustomers()
                   .subscribe(res => {
                     console.log(res);
                     this.customers = res;
        25
                    }, err => {
                     console.log(err);
                    });
             export class CustomerDataSource extends DataSource<any> {
               constructor(private api: ApiService) {
                 super();
               connect() {
                 return this.api.getCustomers();
               disconnect() {
        C ⊗ 0 A 0
```

Create Customer Page (customer-create.component.html)





Create Customer TS Page (customer-create.component.ts)

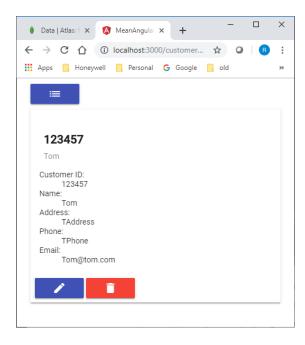
```
<u>File Edit Selection View Go Debug Terminal Help</u>
                                                                      customer-create.component.ts - ASE-Project-7 - Visual Studio Code
                                                                                                                                             ព ⊞
                                     18 customer-create.component.ts X
0
                import {Component, OnInit} from '@angular/core';
               import {Router} from '@angular/router';
import {ApiService} from '../api.service';
Q
               import {FormControl, FormGroupDirective, FormBuilder, FormGroup, NgForm, Validators} from '@angular/forms';
                 selector: 'app-customer-create',
templateUrl: './customer-create.component.html',
⑻
                  styleUrls: ['./customer-create.component.css']
export class CustomerCreateComponent implements OnInit {
                  customerForm: FormGroup;
                 name: string = '';
                  address: string =
                  phone: string = '';
email: string = '';
                  constructor(private router: Router, private api: ApiService, private formBuilder: FormBuilder) {
                    this.customerForm = this.formBuilder.group({
                      'custid': [null, Validators.required],
'name': [null, Validators.required],
                      'address': [null, Validators.required],
'phone': [null, Validators.required],
                        'email': [null, Validators.required]
                  onFormSubmit(form: NgForm) {
                    this.api.postCustomer(form)
                     .subscribe(res => {
    let id = res['_id'];
                         this.router.navigate(['/customer-details', id]);
                      }, (err) => {
                         console.log(err);
         Ø 0 A 0
                                                                              (g) Go Live Ln 18, Col 22 Spaces: 2 UTF-8 CRLF TypeScript 3.4.3 ⊕ ♠1
```

<u>Customer Details Page (customer-detail.component.html)</u>

```
<u> File Edit Selection View Go D</u>ebug <u>T</u>erminal <u>H</u>elp

    customer-detail.component.html ×

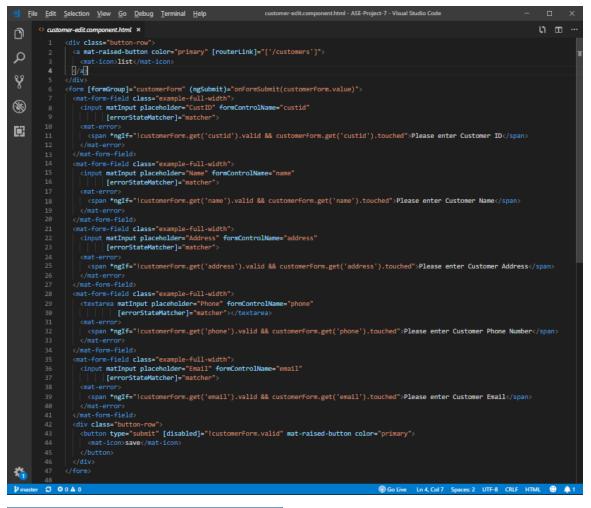
                                                                                                                                                       ι ш …
0
                  <a mat-raised-button color="primary" [routerLink]="['/customers']"><mat-icon>list</mat-icon></a>
م
                <mat-card class="example-card":</pre>
                    <mat-card-title><h2>{{customer.custid}}</h2></mat-card-title>
                    <mat-card-subtitle>{{customer.name}}</mat-card-subtitle</pre>
➂
Ů,
                      <dt>Customer ID:</dt>
<dd>{{customer.custid}}</dd>
                       <dt>Name:</dt>
                      <dd>{{customer.name}}</dd>
                      <dt>Address:</dt
                       <dd>{{customer.address}}</dd>
                      <dt>Phone:</dt:
                      <dd>{{customer.phone}}</dd>
                      <dt>Email:</dt>
                       <dd>{{customer.email}}</dd>
                    <a mat-raised-button color="primary" [routerlink]="['/customer-edit', customer._id]"><mat-icon>edit</mat-icon></a>
<a mat-raised-button color="warn" (click)="deleteCustomer(customer._id)"><mat-icon>delete</mat-icon></a>
糌
       0 4 0 G C
                                                                                                  @ Go Live Ln 28, Col 1 Spaces: 2 UTF-8 CRLF HTML ⊕ ▲1
```

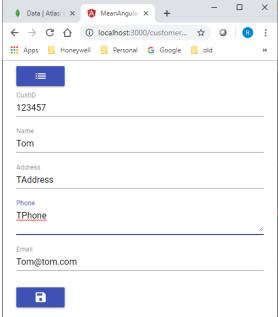


Customer Details TS Page (customer-detail.component.ts)

```
File Edit Selection View Go Debug Terminal Help customer-detail.component.ts - ASE-Project-7 - Visual Studio C...
                                           18 customer-detail.component.ts ×
                                                                                                                                                 ង 🗆 …
0
            import {Component, OnInit} from '@angular/core';
import {ActivatedRoute, Router} from '@angular/router';
import {ApiService} from '../api.service';
Q
                 @Component({
    selector: 'app-customer-detail',
    templateUrl: './customer-detail.component.html',
    styleUrls: ['./customer-detail.component.css']
Ÿ
8
                  })
export class CustomerDetailComponent implements OnInit {
$
                    customer = {};
                        this.getCustomerDetails(this.route.snapshot.params['id']);
                    getCustomerDetails(id) {
                        this.api.getCustomer(id)
                        .subscribe(data => {
                        console.log(data);
this.customer = data;
                    deleteCustomer(id) {
   this.api.deleteCustomer(id)
                              this.router.navigate(['/customers']);
                         }, (err) => {
    console.log(err);
}
                 } );
                                                                           🟟 Go Live 🛮 Ln 3, Col 43 Spaces: 2 UTF-8 CRLF TypeScript 3.4.3 😌 🛕 1
```

Customer Edit Page (customer-edit.component.html)





Customer Edit TS Page (customer-edit.component.ts)

```
<u>File Edit Selection View Go Debug Terminal Help</u>
                                                                                                                                                                                                      u ш ...
         18 customer-edit.component.ts ×
ð
                  import {Component, OnInit} from '@angular/core';
import {Router, ActivatedRoute} from '@angular/router';
۵
                  import {ApiService} from '../api.service';
import {FormControl, FormGroupDirective, FormBuilder, FormGroup, NgForm, Validators} from '@angular/forms';
Y
                 @Component({
    selector: 'app-customer-edit',
    templateUrl: './customer-edit.component.html',
    styleUrls: ['./customer-edit.component.css']
8
customer = {};
                    customerForm: FormGroup;
                    custid: string = ';
name: string = ';
address: string = ';
                    phone: string = '';
email: string = '';
                     constructor(private router: Router, private route: ActivatedRoute, private api: ApiService, private formBuilder: FormBuilder) {
                     ngOnInit() {
    this.customerForm = this.formBuilder.group({
                          'custid': [null, Validators.required],
'name': [null, Validators.required],
'address': [null, Validators.required],
'phone': [null, Validators.required],
'email': [null, Validators.required]
                       });
this.getCustomer(this.route.snapshot.params['id']);
                     getCustomerDetails(id) {
  this.api.getCustomer(id)
                         .subscribe(data => {
                           console.log(data);
                              this.customer = data;
                     onFormSubmit(form: NgForm) {
                       let id = this.route.snapshot.params['id'];
                       console.log(form)
this.api.updateCustomer(id, form)
                             this.router.navigate(['/customer-details', id]);
                        }, (err) => {
  console.log(err);
                     getCustomer(id) {
                      this.api.getCustomer(id).subscribe(data => {
                       id = data._id;
this.customerForm.setValue({
                         custid: data.custid,
name: data.name,
address: data.address,
                            phone: data.phone,
                             email: data.email
                    1);
          Ø 0 A 0
```

MongoDB Atlas (MLab) Database

