

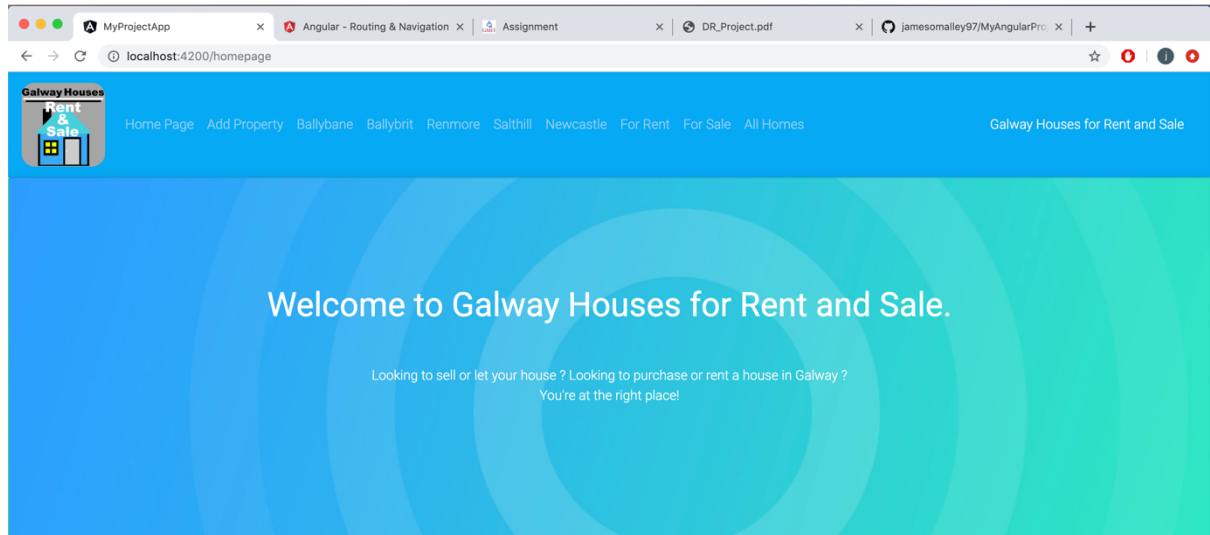
Galway Houses for Rent and Sale Angular Application

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4th Year Computing and Digital Media

Data Representation And Querying Project – Martin Kenirons



For my Angular Project I developed an application that allows users to add properties available for rent or sale. Once a property is added, it stored in the Mongo database.

Select Area *

Ballybane

Address *

23 Rehylin Glebe , ballybane

Eircode *

H91 AY1P

Rent Per Month *

2500

Email *

james087@live.ie

Number *

0871652658

Name *

John O'Toole

Picture of house

<https://b.dmlimg.com/NWQ1ZjYxMjdIMmM0MDBjZTNjMWYyOWE3NzYwYmU1NjZmZmlnmirLfu1fHBsyQmgRaHR0cDovL3MzLWV1LXdlc3QtMlmpwZ3x8fHx8fHw=.jpg>

House Description

5 bedroom house available for rent , close to GMIT , bus stops and super market Joyces


Save Home

Users add homes to the application using the Add Property page by filling in the form. I generated components for the different areas in Galway. If the user selects 'Renmore' in the area drop down menu when adding a property, this property will be read back only in the Renmore page.

Ballybane
Renmore
ballybrit
Newcastle
Salthill

Rent Per Month *
2500

The same applies to all other areas. If a user is looking for a property, they simply just click on the area they're looking for a property in. The properties are then read back into the application.



[Home Page](#) [Add Property](#) [Ballybane](#) [Ballybrit](#) [Renmore](#) [Salthill](#) [Newcastle](#) [For Rent](#) [For Sale](#) [All Homes](#)

Galway Houses for Rent and Sale

Homes Available in Renmore for Rent and Sale

Available For Sale

Eircode: h91ah12

Address: 30 Renmore Road, Renmore,

^


Contact details:

Contact No:0879004787

Name: megan southgate

E-mail: :megansouthgate@outlook.com

Sale Cost: 300,000



Code used to read back properties into specific page. This page will display all properties where the area selected in the drop down menu is “Renmore”.

```
<mat-accordion *ngFor="let home of Homes">
  <mat-expansion-panel [expanded]="true" *ngIf="home.area=='Renmore'">
    <!-- only displays homes in renmore -->
    <mat-expansion-panel-header>
```

Code used to read back all properties.

```
<mat-accordion *ngFor="let home of Homes">
  <mat-expansion-panel [expanded]="true">
    <!-- displays all homes in Galway city -->
    <mat-expansion-panel-header>
```

Code used to read back properties that are for sale and properties that are for rent.

```
<mat-accordion *ngFor="let home of Homes">
  <mat-expansion-panel [expanded]="true" *ngIf="home.rentsale=='For Sale'">
    <!-- will display display all homes available for renting -->

<mat-accordion *ngFor="let home of Homes">
  <mat-expansion-panel [expanded]="true" *ngIf="home.rentsale=='For Rent'">
    <!-- will display display all homes available for renting -->
```

When the user fills in the form and saves it, they’re routed /sent to the page depending on what area they selected in the drop down menu. i.e., If a user selects ‘Renmore’ in the drop down menu, they will be routed to the Renmore page.

```
//go to correct page of home added
//adapted from https://angular.io/api/router/Router#navigateByUrl
//
if (this.area == "Ballybane") {
  this.router.navigateByUrl("read")
}
else if (this.area == "Ballybrit") {
  this.router.navigateByUrl("ballybrit")
} else if (this.area == "Renmore") {
  this.router.navigateByUrl("renmore")
}

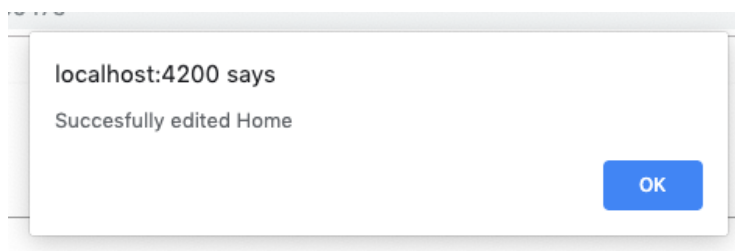
else if (this.area == "Salthill") {
  this.router.navigateByUrl("salthill")
}

else if (this.area == "Newcastle") {
  this.router.navigateByUrl("newcastle")
}
}
);
```

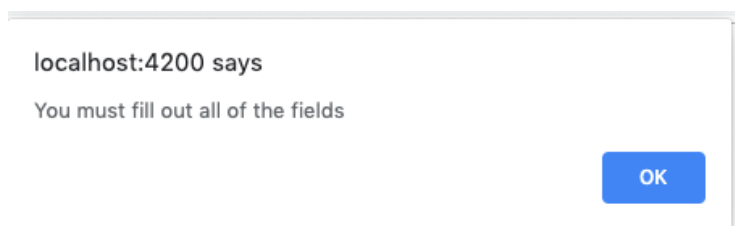
Users can edit and delete the properties by simply clicking on the allocated buttons below the properties. When a user clicks on the edit button they're routed to the edit page. The edit form will read in the property information from the database.

```
ngOnInit() {  
  console.log(this.route.snapshot.params['id'])  
  this.homeService.GetHome(this.route.snapshot.params['id']).subscribe(  
    (data) => {  
      this.home = data;  
      console.log(this.home);  
      this.rentsale = data.rentsale;  
      this.area = data.area;  
    }  
  );  
}
```

Once user clicks save , they will be alerted that the information has been successfully edited and they'll be routed to the page depending on what area they selected. The same applies for the add property form.



If a user does not fill in the edit form or the add property form fully they will be alerted also.



```
onEditHome(form: NgForm) {  
  if (!form.valid || this.area == null || this.rentsale == null) {  
    form.resetForm();  
    alert("House editing Failed, all fields must be filled");  
    return;  
  }  
  this.homeService.UpdateHome(this.home._id, this.rentsale, this.area, this.home.name, this.home.email, this.home.eircode)  
  alert("Succesfully edited Home")  
}
```

Some extras

Select whether property is for Sale or Rent

☒ For Rent
☐ For Sale

Select Area * 

Address *

Eircode * 


Rent Per Month * 

Select whether property is for Sale or Rent

☐ For Rent
☒ For Sale

Select Area * 

Address *

Eircode * 

Price of House * 

```
<mat-form-field>
  <mat-label *ngIf="rentsale=='For Sale'">Price of House</mat-label>
  <!-- will display message depending on the value of rentsale in create component.ts -->
  <mat-label *ngIf="rentsale=='For Rent'">Rent Per Month</mat-label>
  <mat-label *ngIf="rentsale=='default'">Price</mat-label> <!-- text displayed before user makes a selection -->
  <textarea matInput name="cost" ngModel required #content="ngModel"></textarea>
</mat-form-field>
```

Available For Sale

Contact details:

Contact No: megan southgate

Name: megansouthgate@outlook

E-mail: :0879004787

Sale Cost: 300,000

Available For Rent

Contact details:

Contact No: Robert Reeney

Name: roberreeney@gmail.co,

E-mail: :0871652655

Rent Per Month: 2500

```
<h4 *ngIf="home.rentsale=='For Rent'"> Rent Per Month: {{ home.cost }} </h4>
<!-- if user selects rent, the html element will display Rent Permonth-->
<h4 *ngIf="home.rentsale=='For Sale'"> Sale Cost: {{ home.cost }} </h4>
<!-- if user selects Sale, the html element will display Sale Cost: -->
<br>
```

Server Response Status

```
▼ {Status: "Home stored in database"} ⓘ create.component.ts:40
  Status: "Home stored in database"
  ▶ __proto__: Object
```

Request Method: GET

Status Code: 🟢 200

Remote Address: [2600:9000:21ca:a800:1fc89d:840:93a1]:443

Referrer Policy: no-referrer-when-downgrade

e

```
//adapted from:https://stackoverflow.com/questions/26066785/proper-v
//send back proper response
res.status(200).json({ Status: "Home stored in database" });
})
```

Logo made in Adobe illustrator

Galway Houses

Rent & Sale

