

Create a new component in App folder named Header

Header.component.html

```
<nav class="navbar navbar-default">
  <div class="container-fluid">
    <div class="navbar-header">
      <a href="#" class="navbar-brand">Recipe Book</a>
    </div>

    <div class="collapse navbar-collapse">
      <ul class="nav navbar-nav">
        <li><a href="#">Recipes</a></li>
        <li><a href="#">Shopping List</a></li>
      </ul>
      <ul class="nav navbar-nav navbar-right">
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" role="button">Manage
<span class="caret"></span></a>
          <ul class="dropdown-menu">
            <li><a href="#">Save Data</a></li>
            <li><a href="#">Fetch Data</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

Create another component named shopping-list

Create a new component inside shopping-list named shopping-edit

Shopping-edit.component.html

```
<div class="row">
  <div class="col-xs-12">
    <form>
      <div class="row">
        <div class="col-sm-5 form-group">
```

```

        <label for="name">Name</label>
        <input type="text" id="name" class="form-control">
    </div>
    <div class="col-sm-2 form-group">
        <label for="amount">Amount</label>
        <input type="number" id="amount" class="form-control">
    </div>
</div>
<div class="row">
    <div class="col-xs-12">
        <button class="btn btn-success" type="submit">Add</button>
        <button class="btn btn-danger" type="button">Delete</button>
        <button class="btn btn-primary" type="button">Clear</button>
    </div>
</div>
</form>
</div>
</div>

```

Create a new folder in the app folder named shared.

Inside the shared folder create a file named ingredients.model.ts

Ingredients.model.ts

```

export class Ingredient {
    constructor(public name: string, public amount: number) {}
}

```

Shopping-list.component.ts

```

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

import { Ingredient } from '../shared/ingredient.model';

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

```

```
export class ShoppingListComponent implements OnInit {
  ingredients: Ingredient[] = [
    new Ingredient('Apples', 5),
    new Ingredient('Tomatoes', 10),
  ];

  constructor() { }

  ngOnInit() {
  }
}
```

Shopping-list.component.html

```
<div class="row">
  <div class="col-xs-10">
    <app-shopping-edit></app-shopping-edit>
    <hr>
    <ul class="list-group">
      <a
        class="list-group-item"
        style="cursor: pointer"
        *ngFor="let ingredient of ingredients"
      >
        {{ ingredient.name }} ({{ ingredient.amount }})
      </a>
    </ul>
  </div>
</div>
```

Create another component in app folder named recipes

Inside recipes create another component named recipe-detail

Recipe-detail.component.html

```
<div class="row">
  <div class="col-xs-12">
```

```

        <img src="" alt="" class="img-responsive">
    </div>
</div>
<div class="row">
    <div class="col-xs-12">
        <h1>Recipe Name</h1>
    </div>
</div>
<div class="row">
    <div class="col-xs-12">
        <div class="btn-group">
            <button
                type="button"
                class="btn btn-primary dropdown-toggle">
                Manage Recipe <span class="caret"></span>
            </button>
            <ul class="dropdown-menu">
                <li><a href="#">To Shopping List</a></li>
                <li><a href="#">Edit Recipe</a></li>
                <li><a href="#">Delete Recipe</a></li>
            </ul>
        </div>
    </div>
</div>
<div class="row">
    <div class="col-xs-12">
        Description
    </div>
</div>
<div class="row">
    <div class="col-xs-12">
        Ingredients
    </div>
</div>

```

Create another component inside recipe component named recipe-list

Inside recipe-list create a component named recipe-item

Now, inside the recipe folder create a new file named recipe.model.ts which will be used in recipe-list component.

Recipe.model.ts

```
export class Recipe {
  public name: string;
  public description: string;
  public imagePath: string;

  constructor(name: string, desc: string, imagePath: string) {
    this.name = name;
    this.description = desc;
    this.imagePath = imagePath;
  }
}
```

Recipe-list.component.ts

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

import { Recipe } from '../recipe.model';

@Component({
  selector: 'app-recipe-list',
  templateUrl: './recipe-list.component.html',
  styleUrls: ['./recipe-list.component.css']
})
export class RecipeListComponent implements OnInit {
  recipes: Recipe[] = [
    new Recipe('A Test Recipe', 'This is simply a test',
      'https://upload.wikimedia.org/wikipedia/commons/1/15/Recipe_logo.jpeg')
    ,
    new Recipe('A Test Recipe', 'This is simply a test',
      'https://upload.wikimedia.org/wikipedia/commons/1/15/Recipe_logo.jpeg')
  ];

  constructor() { }

  ngOnInit() {
  }
}
```

```
}
```

Recipe-list.component.html

```
<div class="row">
  <div class="col-xs-12">
    <button class="btn btn-success">New Recipe</button>
  </div>
</div>
<hr>
<div class="row">
  <div class="col-xs-12">
    <a
      href="#"
      class="list-group-item clearfix"
      *ngFor="let recipe of recipes">
      <div class="pull-left">
        <h4 class="list-group-item-heading">{{ recipe.name }}</h4>
        <p class="list-group-item-text">{{ recipe.description }}</p>
      </div>
      <span class="pull-right">
        <img
          [src]="recipe.imagePath"
          alt="{{ recipe.name }}"
          class="img-responsive"
          style="max-height: 50px;">
        </span>
      </a>
      <app-recipe-item></app-recipe-item>
    </div>
  </div>
</div>
```

Recipe.component.html

```
<div class="row">
  <div class="col-md-5">
    <app-recipe-list></app-recipe-list>
  </div>
```

```
<div class="col-md-7">
  <app-recipe-detail></app-recipe-detail>
</div>
</div>
```

Now register everything in the main component that is the app component.

App.module.ts

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { FormsModule } from '@angular/forms';

import { AppComponent } from './app.component';
import { HeaderComponent } from './header/header.component';
import { RecipesComponent } from './recipes/recipes.component';
import { RecipeListComponent } from
'./recipes/recipe-list/recipe-list.component';
import { RecipeDetailComponent } from
'./recipes/recipe-detail/recipe-detail.component';
import { RecipeItemComponent } from
'./recipes/recipe-list/recipe-item/recipe-item.component';
import { ShoppingListComponent } from
'./shopping-list/shopping-list.component';
import { ShoppingEditComponent } from
'./shopping-list/shopping-edit/shopping-edit.component';

@NgModule({
  declarations: [
    AppComponent,
    HeaderComponent,
    RecipesComponent,
    RecipeListComponent,
    RecipeDetailComponent,
    RecipeItemComponent,
    ShoppingListComponent,
    ShoppingEditComponent
  ],
  imports: [
    BrowserModule,
    FormsModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule {}
```

```
],
imports: [
  BrowserModule,
  FormsModule,
],
providers: [],
bootstrap: [AppComponent]
}))
export class AppModule { }
```

App.component.html

```
<app-header></app-header>
<div class="container">
  <div class="row">
    <div class="col-md-12">
      <app-recipes></app-recipes>
      <app-shopping-list></app-shopping-list>
    </div>
  </div>
</div>
```