### Header.component.ts

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

@Component({
   selector: 'app-header',
   templateUrl: './header.component.html'
})
export class HeaderComponent {
}
```

#### Header.component.html

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

@Component({
   selector: 'app-header',
   templateUrl: './header.component.html'
})
export class HeaderComponent {
}
```

Src > app > shopping-list > shopping-edit

### Shopping-edit.component.ts

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

import { Ingredient } from '../../shared/ingredient.model';
import { ShoppingListService } from '../shopping-list.service';

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

```
@ViewChild('nameInput', { static: false }) nameInputRef: ElementRef;
@ViewChild('amountInput', { static: false }) amountInputRef:
ElementRef;

constructor(private slService: ShoppingListService) { }

ngOnInit() {
}

onAddItem() {
   const ingName = this.nameInputRef.nativeElement.value;
   const ingAmount = this.amountInputRef.nativeElement.value;
   const newIngredient = new Ingredient(ingName, ingAmount);
   this.slService.addIngredient(newIngredient);
}
```

## Shopping-edit.component.html

## Shopping-list.service.ts

```
import { Ingredient } from '../shared/ingredient.model';
import { EventEmitter } from '@angular/core';
export class ShoppingListService {
 private ingredients: Ingredient[] = [
  addIngredient(ingredient: Ingredient) {
```

```
}
}
```

## Shopping-list.component.ts

```
import { Component, OnInit } from '@angular/core';
import { Ingredient } from '../shared/ingredient.model';
import { ShoppingListService } from './shopping-list.service';
@Component({
export class ShoppingListComponent implements OnInit {
 constructor(private slService: ShoppingListService) { }
        (ingredients: Ingredient[]) => {
```

### Shopping-list.component.html

### Src > app > shared

## Dropdown.directive.ts

```
import { Directive, HostListener, HostBinding } from '@angular/core';

@Directive({
   selector: '[appDropdown]'
})

export class DropdownDirective {
   @HostBinding('class.open') isOpen = false;

@HostListener('click') toggleOpen() {
    this.isOpen = !this.isOpen;
   }
}
```

## Ingredient.model.ts

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

Src > app > recipes > recipe-list > recipe-item

### Recipe-item.component.ts

```
import { Component, OnInit, Input } from '@angular/core';
import { Recipe } from '../../recipe.model';
@Component({
   selector: 'app-recipe-item',
   templateUrl: './recipe-item.component.html',
```

```
styleUrls: ['./recipe-item.component.css']
})
export class RecipeItemComponent implements OnInit {
   @Input() recipe: Recipe;
   @Input() index: number;

   ngOnInit() {
   }
}
```

#### Recipe-item.component.html

Src > app > recipes > recipe-list

#### Recipe-list.component.ts

```
import { Component, OnInit } from '@angular/core';
import { Router, ActivatedRoute } from '@angular/router';
import { Recipe } from '../recipe.model';
import { RecipeService } from '../recipe.service';

@Component({
    selector: 'app-recipe-list',
    templateUrl: './recipe-list.component.html',
```

## Recipe-list.component.html

Recipes > recipe-start

Recipe-start.component.ts

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

@Component({
    selector: 'app-recipe-start',
    templateUrl: './recipe-start.component.html',
    styleUrls: ['./recipe-start.component.css']
})
export class RecipeStartComponent implements OnInit {
    constructor() { }
    ngOnInit() {
    }
}
```

# Recipe-start.component.html

```
<h3>Please select a Recipe!</h3>
```

### Recipes > recipe-edit

## Recipe-edit.component.ts

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

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

export class RecipeEditComponent implements OnInit {
    id: number;
    editMode = false;

constructor(private route: ActivatedRoute) { }

ngOnInit() {
    this.route.params
        .subscribe(
```

```
(params: Params) => {
    this.id = +params['id'];
    this.editMode = params['id'] != null;
}
);
}
```

## Recipe-edit.component.html

```
recipe-edit works!
```

## Recipes > recipe-detail

#### Recipe-detail.component.ts

## Recipe-detail.component.html

```
<div class="col-xs-12">
pointer;">To Shopping List</a>
Recipe</a>
</div>
   {{ recipe.description }}
</div>
<div class="row">
 /div>
```

#### App > recipes

#### Recipes.component.ts

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

### Recipes.component.html

## Recipes.service.ts

```
import { EventEmitter, Injectable } from '@angular/core';
import { Recipe } from './recipe.model';
import { Ingredient } from '../shared/ingredient.model';
```

```
import { ShoppingListService } from
@Injectable()
export class RecipeService {
  recipeSelected = new EventEmitter<Recipe>();
 private recipes: Recipe[] = [
https://upload.wikimedia.org/wikipedia/commons/7/72/Schnitzel.JPG',
   new Recipe('Big Fat Burger',
Bacon %26 Cheese Steak Burger.jpg',
  constructor(private slService: ShoppingListService) {}
   return this.recipes[index];
```

```
}
```

### Recipe.model.ts

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

export class Recipe {
  public name: string;
  public description: string;
  public imagePath: string;
  public ingredients: Ingredient[];

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

#### Src > app

#### App-routing.module.ts

```
import { NgModule } from '@angular/core';
import { Routes, RouterModule } from '@angular/router';

import { RecipesComponent } from './recipes/recipes.component';
import { ShoppingListComponent } from
'./shopping-list/shopping-list.component';
import { RecipeStartComponent } from
'./recipes/recipe-start/recipe-start.component';
import { RecipeDetailComponent } from
'./recipes/recipe-detail/recipe-detail.component';
import { RecipeEditComponent } from
'./recipes/recipe-edit/recipe-edit.component';
const appRoutes: Routes = [
{ path: '', redirectTo: '/recipes', pathMatch: 'full' },
```

#### 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 { RecipeSComponent } 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';
import { DropdownDirective } from './shared/dropdown.directive';
import { ShoppingListService } from
'./shopping-list/shopping-list.service';
import { AppRoutingModule } from './app-routing.module';
```

```
import { RecipeStartComponent } from
import { RecipeEditComponent } from
@NgModule({
export class AppModule { }
```

### App.component.ts

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

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

export class AppComponent {
    loadedFeature = 'recipe';
```

```
onNavigate(feature: string) {
   this.loadedFeature = feature;
}
```

## App.component.html