

shopping-list.component.html

```
<app-shopping-edit
  (ingredientAdded)="onIngredientAdded($event)" ></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>
```

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() {
  }

  onIngredientAdded(ingredient: Ingredient)
  {
    this.ingredients.push(ingredient);
  }
}
```

shopping-edit.component.ts

```
import { Component, OnInit, ElementRef, ViewChild, EventEmitter, Output } from
 '@angular/core';
import { Ingredient } from '../shared/ingredient.model';

@Component({
  selector: 'app-shopping-edit',
  templateUrl: './shopping-edit.component.html',
  styleUrls: ['./shopping-edit.component.css']
})
export class ShoppingEditComponent implements OnInit {
  @ViewChild('nameInput') nameInputRef : ElementRef;
  @ViewChild('amountInput') amountInputRef : ElementRef;
  @Output() ingredientAdded = new EventEmitter<Ingredient>();

  constructor() { }

  ngOnInit(): void {
  }
  addItem()
  {
    const ingName = this.nameInputRef.nativeElement.value;
    const ingAmount = this.amountInputRef.nativeElement.value;
    const newIngredient = new Ingredient(ingName,ingAmount);
    this.ingredientAdded.emit(newIngredient);
  }
}
```

shopping-edit.component.html

```
<div class="row">
  <div class="col-sm-5 form-group">
    <label for="name">Name</label>
    <input type="text" id="name" class="form-control" #nameInput>
  </div>
  <div class="col-sm-2 form-group">
    <label for="amount">Amount</label>
    <input type="number" id="amount" class="form-control" #amountInput>
  </div>
</div>
```

```
</div>
</div>
<div class="row">
  <div class="col-xs-12">
    <button class="btn btn-success" type="submit" (click)="onAddItem()">Add</button>
    <button class="btn btn-danger" type="button">Delete</button>
    <button class="btn btn-primary" type="button">Clear</button>
  </div>
</div>
```