

Exercise (Instructions): Angular Components

Part 2

Objectives and Outcomes

In this exercise we will continue modifying the component template from the previous exercise. Instead of a list, we will use a grid list Angular material component to display the menu in a different way. Also we will use the Card component to display the details of a selected dish. At the end of this exercise you will be able to:

- Make use of the Angular material grid list component to display a list of items.
- Use the material Card component to display detailed information.
- Use a built-in Angular pipe to turn a word into uppercase in the template.

Updating the Menu Template

- Open *menu.component.html* and update its content as follows:

```
<div class="container"
  fxLayout="column"
  fxLayoutGap="10px">

  <div fxFlex>
    <div>
      <h3>Menu</h3>
      <hr>
    </div>
  </div>

  <div fxFlex>
    <mat-grid-list cols="2" rowHeight="200px">
      <mat-grid-tile *ngFor="let dish of dishes">
        <img height="200px" src={{ dish.image }} alt={{ dish.name }}>
        <mat-grid-tile-footer>
          <h1>{{ dish.name | uppercase }}</h1>
        </mat-grid-tile-footer>
      </mat-grid-tile>
    </mat-grid-list>
  </div>

</div>
```

- Here we are using the Grid list Angular material component to display the information.
- Open *app.module.ts* and update it as follows:

```
import { MatGridListModule } from '@angular/material/grid-list';
import { MatCardModule } from '@angular/material/card';
import { MatButtonModule } from '@angular/material/button';
```

```
...
```

```
imports: [  
  ...,  
  MatGridListModule,  
  MatCardModule,  
  MatButtonModule,  
  ...  
],
```

```
...
```

Also, update the *menu.component.ts* file as follows to move the details of the dishes into a constant, in preparation for introducing services in a future exercise:

```
const DISHES: Dish[] = [  
  ...  
];
```

```
...
```

```
...
```

```
export class MenuComponent implements OnInit {
```

```
  dishes = DISHES;
```

```
  selectedDish = DISHES[0];
```

```
  ...
```

```
}
```

Add a Card Component

- Update the *menu.component.html* template to display the details of a selected dish using the Material Card component as follows:

```
<div fxFlex *ngIf="selectedDish">  
  <mat-card>  
    <mat-card-header>  
      <mat-card-title>  
        <h3>{{selectedDish.name | uppercase}}</h3>  
      </mat-card-title>  
    </mat-card-header>  
    <img mat-card-image src={{selectedDish.image}} alt={{selectedDish.name}}>  
    <mat-card-content>  
      <p>{{selectedDish.description}}</p>  
    </mat-card-content>  
    <mat-card-actions>  
      <button mat-button>LIKE</button>  
      <button mat-button>SHARE</button>  
    </mat-card-actions>  
  </mat-card>  
</div>
```

```
</mat-card>  
</div>
```

- Save the changes and do a Git commit with the message "Components Part 2".

Conclusions

In this exercise we used a grid list to display the information in the menu template. Also we used a card to display the details of a selected dish.