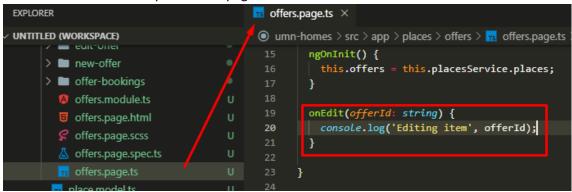
# Part 1 (Continuing Last Week Task)

## **Swipeable List Items**

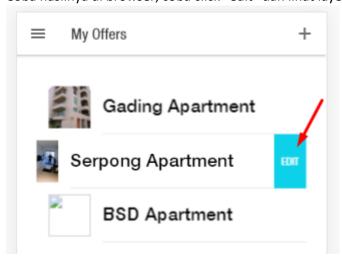
1. Modifikasi offers.page.html menjadi seperti berikut.

```
| Springer | Springer
```

2. Tambahkan kode berikut pada offers.page.ts



3. Coba hasilnya di browser, coba click "edit" dan lihat layer console. Apa yang terjadi?



4. Modifikasi offers.page.html menjadi seperti berikut, coba click icon edit, apa yang terjadi?

```
offers.page.html
UNTITLED (WORKSPACE)

autn.page.s
                                                                                          din="8" offset-sm="2">

dion-item-sliding *ngFor="let offer of offers">
dion-item [routerLink]="[']", 'places', 'tabs', 'offers', offer.id]">
dion-item [routerLink]="[']", 'places', 'tabs', 'offers', offer.id]">
dion-item [soci="start"]
dion-thumbnail slote"start",
dion-thumbnail>
dion-label>
dion-item-grions)
dion-item-options>
dion-item-option color="secondary" [publication name="crost-"
dion-icon name="crost-"
           △ auth.page.spec.ts
           auth.page.ts
            auth.service.spec.ts
           A auth.service.ts
      > bookings
       > iii discover

✓ Image: Value of the offers

         > edit-offer
         > new-offer
                                                                                                   g offers.page.scss
              offers.page.spec.ts
             offers.page.ts
```

5. Modifikasi offers.page.html menjadi seperti berikut:

```
offers.page.html × 🖪 offers.page.ts
                               ● umn-homes > src > app > places > offers > ⑤ offers.page.html > � ion-content > � ion-grid > � ion-row > � i
  auth.page.spec.ts
  auth.page.ts
                                             A auth.service.ts
                                            > bookings

→ Image
→ places

> 🖿 discover

✓ □ offers

 > edit-offer
 > 🖿 new-offer
  > offer-bookings
                                          </ion-item-option>
</ion-item-option>
</ion-item-sliding>
</ion-list>
</ion-col>
   offers.page.ts
```

6. Tambahkan kode berikut pada offers.page.ts, kemudian coba jalankan di browser. Apa yang terjadi?

```
EXPLORER
                                                🕫 offers.page.ts 🗵
                                                o umn-homes > src > app > places > offers > n
femplateUrl: './offers.page.ntml',
styleUrls: ['./offers.page.scss'],
 UNTITLED (WORKSPACE)
      > 🖿 edit-offer
       > new-offer
                                                              t class OffersPage implements OnInit {
                                                         offers: Place[];
       > offer-bookings
         offers.module.ts
                                                          constructor(private placesService: PlacesService, private router: Router { }
          ፱ offers.page.html
         g offers.page.scss
                                                          ngOnInit() {
                                                             this.offers = this.placesService.places;
         offers.page.spec.ts
        place.model.ts
                                                         onEdit(offerId: string, slidingItem: IonItemSliding) {
         places-routing.module.ts
                                                           slidingItem.close();
                                                           this.router.navigate(['/', 'places', 'tabs', 'offers', 'edit', offerId]);
console.log('Editing item', offerId);
        ፱ places.page.html
        places.page.scss
```

### **Swipeable Bookings**

1. Buat file booking.model.ts, kemudian tambahkan kode berikut:

```
EXPLORER
                                              🖪 booking.model.ts 🗵
UNTITLED (WORKSPACE)
                                              🧿 umn-homes > src > app > bookings > 📆 booking.model.ts > ધ Booking
                                                            t class Booking {
   > 📑 auth
                                                              public id: string,
public placeId: string,
public userId: string,
   > create-booking
                                                                ublic placeTitle: string,
       bookings.module.ts
                                                               public guestNumber: number
       bookings.page.html
                                                          ) {}
       g bookings.page.scss
                                                      }
       bookings.page.spec.ts
```

2. Buat booking service dengan command berikut

```
D:\ionic-course-umn\umn-homes>ionic generate service bookings/booking
> ng.cmd generate service bookings/booking
CREATE src/app/bookings/booking.service.spec.ts (338 bytes)
CREATE src/app/bookings/booking.service.ts (136 bytes)
[OK] Generated service!
D:\ionic-course-umn\umn-homes>
```

3. Tambahkan kode berikut pada booking.service.ts

```
EXPLORER
                                              booking.service.ts ×
V UNTITLED (WORKSPACE)
                                              umn-homes > src > app > bookings > A booking.service.f
                                                     import { Injectable } from '@angular/core';
import { Booking } from './booking.model';

∨ O umn-homes

  > 📭 e2e
  > node modules
                                                     @Injectable({
  ∨ 🖝 src
                                                       providedIn: 'root'
   🗸 ጩ app
                                                     })
                                                      export class BookingService {
     > 📑 auth
                                                        private bookings: Booking[] = [

✓ I bookings

      > create-booking
                                                            id: 'xyz',
        booking.model.ts
                                                            placeId: 'p1',
                                                            placeTitle: 'Place Bla bla bla',
        booking.service.spec.ts
                                                           guestNumber: 2,
        A booking.service.ts
                                               14
                                                           userId: 'abc'
        bookings.module.ts
                                                       }
        bookings.page.html
                                                        ];
        g bookings.page.scss
                                                       constructor() { }
         bookings.page.spec.ts
        bookings.page.ts
                                                        get bookings() {
       places
                                                         return [...this._bookings];
        app-routing.module.ts
                                        М
        app.component.html
                                        М
```

4. Tambahkan kode berikut pada bookings.page.ts

```
🛚 bookings.page.ts 🛛 🗡
UNTITLED (WORKSPACE)

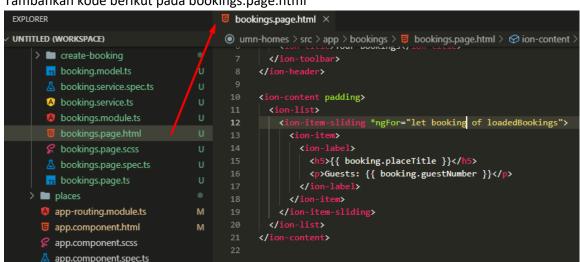
    umn-homes > src > app > bookings > 
    src > bookings.page.ts > 
    src > app > 

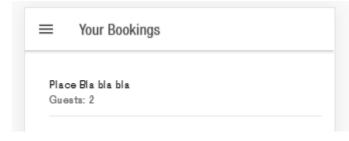
                                                                                                                                                                                     import { Component, OnInit } from '@angular/core';
import { BookingService } from './booking.service';
import { Booking } from './booking.model';
                 > create-booking
                       booking.model.ts

▲ booking.service.spec.ts

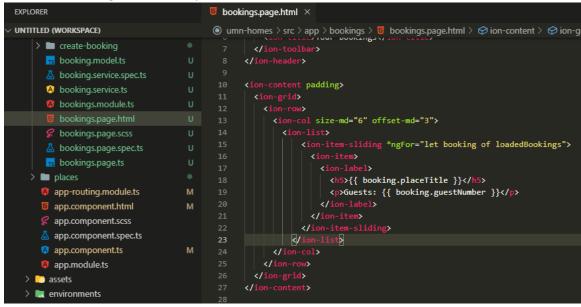
                         A booking.service.ts
                                                                                                                                                                                      @Component({
                                                                                                                                                                                           selector: 'app-bookings',
                          bookings.module.ts
                                                                                                                                                                                              templateUrl: './bookings.page.html',
                          bookings.page.html
                                                                                                                                                                                             styleUrls: ['./bookings.page.scss'],
                         g bookings.page.scss
                         ▲ bookings.page.spec.ts
                                                                                                                                                                                                         rt class BookingsPage implements OnInit {
                                                                                                                                                                                              loadedBookings: Booking[];
            > places
                                                                                                                                                                                              constructor(private bookingService: BookingService) { }
                     app-routing.module.ts
                     app.component.html
                                                                                                                                        М
                                                                                                                                                                                            ngOnInit() {
                     app.component.scss
                                                                                                                                                                                              this.loadedBookings = this.bookingService.bookings;
                     app.component.spec.ts
                     app.component.ts
                      app.module.ts
```

5. Tambahkan kode berikut pada bookings.page.html





7. Modifikasi bookings.page.html menjadi seperti berikut sehingga ketika ukuran layer lebar, maka ion-list tidak menghabiskan tempat full-width.



8. Modifikasi bookings.page.html menjadi seperti berikut untuk menambahkan sliding item option

```
፱ bookings.page.html ×
                                                                                                                                                                   mes > src > app > bookings > 6 bookings.page.html > 6 ion-content > 6 ion-grid > 6 ion-row > 6 ion-col > 6 ion-list > 6 io
UNTITLED (WORKSPACE)
                   > create-booking
                                                                                                                                                                                                                                                              ol size-md="6" offset-md="3">
                                                                                                                                                                                                                                                                         <h5>{{ booking.placeTitle }}</h5>
                                                                                                                                                                                                                                                                                   Guests: {{ booking.guestNumber }}
                         bookings.page.ts
                                                                                                                                                                                                                                                             places
                       app-routing.module.ts
                         app.component.html
                       app.component.scss
                        A app.component.spec.ts
                       app.component.ts
                       app.module.ts
            > 🛅 assets
           > nvironments
                theme
                   global.scs
```

9. Tambahkan kode berikut pada bookings.page.ts

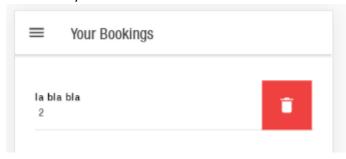
```
EXPLORER
                                   bookings.page.ts ×
                                   UNTITLED (WORKSPACE)
    > create-booking
                                           ngOnInit() {
     booking.model.ts
                                            this.loadedBookings = this.bookingService.bookings;

▲ booking.service.spec.ts

     A booking.service.ts
     bookings.module.ts
                                           onCancel(offerId: string, slidingEl: IonItemSliding) {
                                           slidingEl.close();
     bookings.page.html
                                           // cancel booking with id offerId
     g bookings.page.scss

▲ bookings.page.spec.ts

     bookings.page.ts
  > places
```



## **Virtual Scrolling**

1. Ubah kode pada discover.page.html menjadi seperti berikut.

```
EXPLORER
                                         discover.page.html × 15 discover.page.ts
UNTITLED (WORKSPACE)
                                       🌘 umn-homes > src > app > places > discover > 🥫 discover.page.html > 🔗 ion-content > 🔗 io
                                                <ion-row>
  <ion-col size="12" size-sm="8" offset-sm="2" text-center>
 > node_modules
 ∨ 🖝 src
                                                    <ion-virtual-scroll [items]="listedLoadedPlaces">

√ Image: app

   > 🛅 auth
                                                       *virtualItem="let place"
   > bookings
                                                        [routerLink]="['/', 'places', 'tabs', 'discover', place.id]"
                                                        detail>

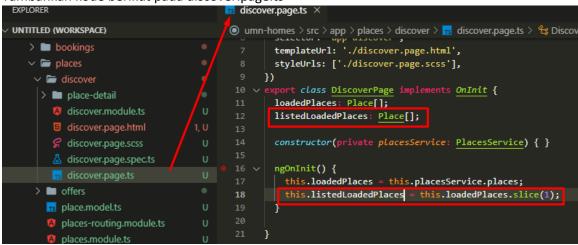
✓ Image

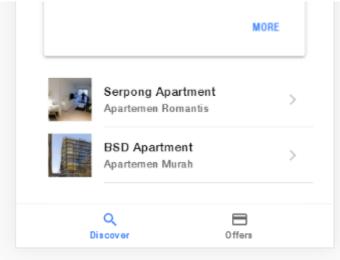
✓ places

→ i discover

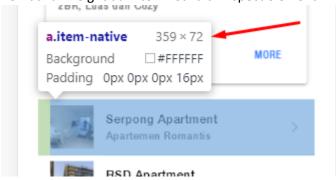
     > | place-detail
                                                        <h2>{{ place.title }}</h2>
                                                         {{ place.description }}
                                                  discover.page.spec.ts
      discover.page.ts
    > offers
      place.model.ts
                                                 </ion-row>
                                              </ion-grid>
      places-routing.module.ts
      places.module.ts
```

2. Tambahkan kode berikut pada discover.page.ts





4. Perhatikan height dari item ketika di inspect element.



5. Tambahkan kode berikut pada discover.page.html

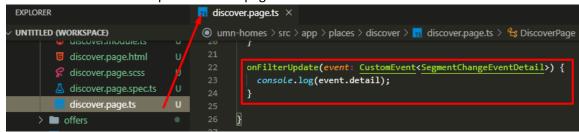


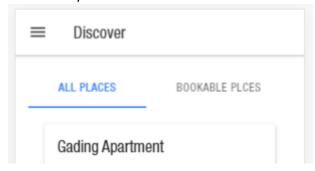
#### **Segemented Buttons**

1. Tambahkan kode berikut pada discover.page.html

```
| discover.page.html | discover.page.html | | discover.page.html | discove
```

2. Tambahkan kode berikut pada discover.page.ts





### **Spinner**

1. Tambahkan kode berikut pada auth.page.html

```
EXPLORER

UNITITED (WORKSPACE)

Umnn-homes

(ion-toolbar)

(ion-leader)

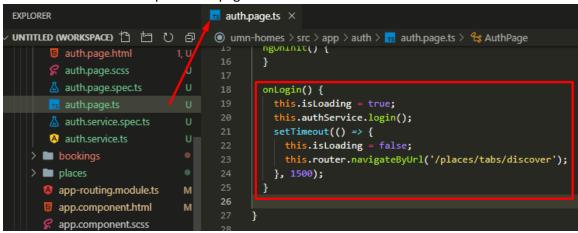
(ion-leader)

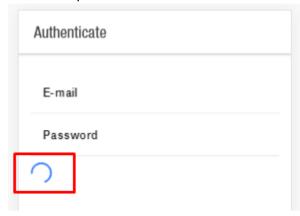
(ion-label position="floating">E-mail</ion-label)

(ion-item)

(ion-item)
```

2. Tambahkan kode berikut pada auth.page.ts



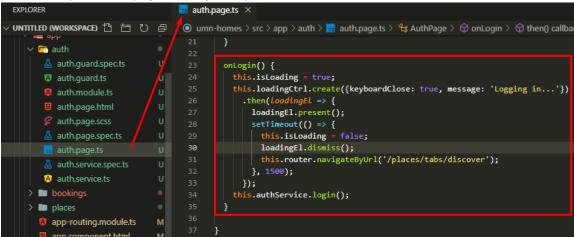


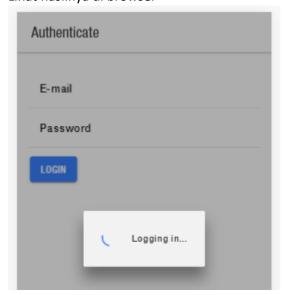
## **Loading Controller**

1. Undo kode yang sebelumnya di buat untuk menampilkan spinner pada auth.page.html

```
| auth.page.html × | workspace | workspace
```

2. Ubah kode pada auth.page.ts menjadi seperti berikut





#### **ActionSheet Controller**

1. Tambahkan actionSheetCtrl pada place-detail.page.ts

```
EXPLORER
                                                                                                                                                                                             🔣 place-detail.page.ts 🗵
UNTITLED (WORKSPACE)

    umn-homes > src > app > places > discover > place-detail > 
    place-de
    place-de

                                                piace-detail.page.html U
                                                                                                                                                                                                                                             place: Place;
                                               🗣 place-detail.page.scss U
                                                🚨 place-detail.page.spe... 🛭
                                                                                                                                                                                                                                             constructor(
                                                                                                                                                                                                                                                    private navCtrl: NavController,
                                                                                                                                                                                                                                                     private route: ActivatedRoute,
                                          discover.module.ts
                                                                                                                                                                                                                                                       private placesService: PlacesService,
                                          discover.page.html
                                                                                                                                                                                                                                                    private modalCtrl: ModalController,
                                          discover.page.scss
                                                                                                                                                                                                                                                    private actionSheetCtrl: ActionSheetController
                                           discover.page.spec.ts
```

2. Modifikasi method onBookPlace menjadi seperti berikut

```
EXPLORER
                                                                                                                            🖪 place-detail.page.ts 🗵
UNTITLED (WORKSPACE)
                                                                                                                              umn-homes > src > app > places > discover > place-detail >
   > node_modules
  onBookPlace() {
       🗸 🛅 app
           > 📑 auth
           > bookings
                                                                                                                                                                    this.actionSheetCtrl.create({

✓ Implaces

                                                                                                                                                                           header: 'Choose an Action',

→ Image: Value of the valu
                                                                                                                                                                           buttons: [

✓ Image place-detail

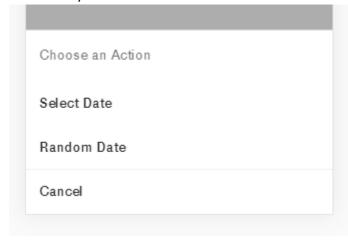
                                                                                                                                                                                         text: 'Select Date',
                              place-detail.module.ts U
                                                                                                                                                                                        handler: () => {
                               place-detail.page.html
                                                                                                                                                                                                this.openBookingModal('select');
                              place-detail.page.scss
                                                                                                                                                                                  },
                              place-detail.page.spe... U
                             place-detail.page.ts
                                                                                                                                                                                         text: 'Random Date',
                           discover.module.ts
                                                                                                                                                                                        handler: () => {
                           discover.page.html
                                                                                                                                                                                                this.openBookingModal('random');
                           discover.page.scss
                                                                                                                                                                                 },
                           discover.page.spec.ts
                          discover.page.ts
                                                                                                                                                                                         text: 'Cancel',
                > offers
                                                                                                                                                                                         role: 'cancel'
                       place.model.ts
                                                                                                                                  58
                       places-routing.module.ts U
                                                                                                                                                                    })
                       places.module.ts
                                                                                                                                                                    .then(actionSheetEl => {
                       places.page.html
                                                                                                                                                                           actionSheetEl.present();
                       g places.page.scss
                                                                                                                                                                    });
                       places.page.spec.ts
```

3. Tambahkan kode berikut

```
EXPLORER
                                                                                                                                                                                                                              📆 place-detail.page.ts 🗵
 UNTITLED (WORKSPACE)
                                                                                                                                                                                                                                     🕑 umn-homes > src > app > places > discover > place-detail > 📆 place-deta
    > node_modules
      ∨ 🖙 src
            🗸 🏬 app
                                                                                                                                                                                                                                                                                    openBookingModal(mode: 'select' | 'random') {
                    > 🛅 auth
                                                                                                                                                                                                                                                                                                    console.log(mode);
                    > bookings
                                                                                                                                                                                                                                                                                                    this.modalCtrl

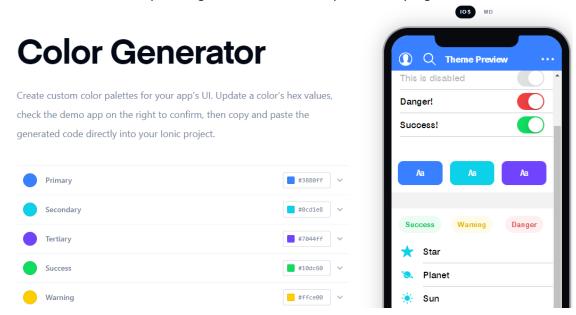
→ Image of the places of 
                                                                                                                                                                                                                                                                                                   .create({

→ Image: Vision of the discover of the di
                                                                                                                                                                                                                                                                                                              component: CreateBookingComponent,
                                  ∨ i place-detail
                                                                                                                                                                                                                                                                                                                componentProps: { selectedPlace: this.place }
                                                      place-detail.module.ts U
                                                                                                                                                                                                                                                                                                    .then(modalEl => {
                                                        place-detail.page.html
                                                                                                                                                                                                                                                                                                      modalEl.present();
                                                        place-detail.page.scss
                                                                                                                                                                                                                                                                                                               return modalEl.onDidDismiss();
                                                      🚨 place-detail.page.spe... U
                                                                                                                                                                                                                                                                                                 .then(resultData => {
                                                                                                                                                                                                                                                                                                        console.log(resultData.data, resultData.role);
                                                   discover.module.ts
                                                                                                                                                                                                                                                                                                                 if (resultData.role === 'confirm') {
                                                 discover.page.html
                                                                                                                                                                                                                                                                                                                  console.log('BOOKED');
                                                 discover.page.scss
                                                                                                                                                                                                                                                                                                                }
                                                 discover.page.spec.ts
                                                                                                                                                                                                                                                                                                    });
                                                discover.page.ts
```

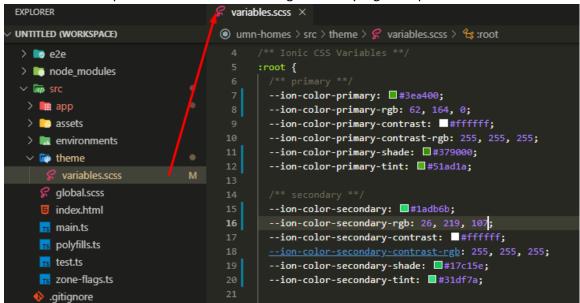


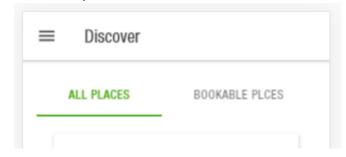
# Part 2 (Styling)

1. Buka dokumentasi ionic pada bagian Collor Generator, pilih warna yang Anda sukai.



2. Ubah kode warna pada variable.scss sesuai dengan warna yang Anda pilih.





#### **Custom CSS Rules**

1. Buat sebuah component dengan command berikut

D:\ionic-course-umn\umn-homes>ionic generate component places/offers/offer-item

2. Cut-paste on-item dari offers.page.html ke offer-item.component.html

3. Tambahkan kode berikut

```
offer-item.component.ts ×
UNTITLED (WORKSPACE) 🖰 🖆 🖔 🗿
                                                                                                                                                                                 o umn-homes > src > app > places > offers > offer-item > 🐧 offer-item
                           > new-offer
                                                                                                                                                                                                                   @Component({
                                                                                                                                                                                                                             selector: 'app-offer-item',
                            > offer-bookings
                                                                                                                                                                                                                             templateUrl: './offer-item.component.html',

✓ Image: Value of the valu
                                                                                                                                                                                                                             styleUrls: ['./offer-item.component.scss'],

■ offer-item.componen...

                                                                                                                                                                                                                   })
                                            g offer-item.componen.../U
                                                                                                                                                                                                                                  port class OfferItemComponent implements OnInit {
                                                                                                                                                                                                                         @Input() offer: Place;
                                            △ offer-item.componen... U
                                                                                                                                                                                        10
                                                                                                                                                                                                                         constructor() { }
                                       offers.module.ts

■ offers.page.html

                                                                                                                                                                                                                           ngOnInit() {}
                                       g offers.page.scss
```

4. Tambahkan kode berikut

```
offer-item.component.html ×
UNTITLED (WORKSPACE) 🖰 🖆 🖔 🗗
                             🌘 umn-homes > src > app > places > offers > offer-item > 🥫 offer-item.component.html > 🔗 ioi
                                  <ion-item [routerLink]="['/', 'places', 'tabs', 'offers', offer.id]">
<ion-thumbnail slot="start">
    > new-offer
                                    > offer-bookings

✓ ■ offer-item

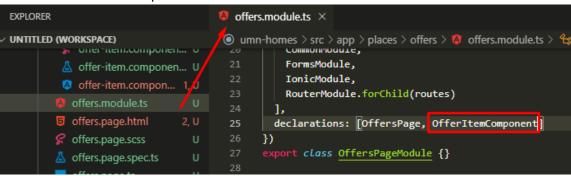
                                     <h1>{{ offer.title }}</h1>
       g offer-item.componen... U
                                    🚨 offer-item.componen... U
      offers.module.ts
      ፱ offers.page.html
                                    </div>
     offers.page.ts
     place.model.ts
```

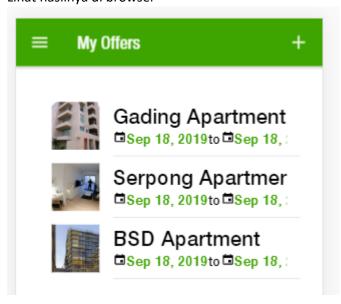
5. Tambahkan kode berikut

6. Tambahkan kode berikut pada offers.page.html

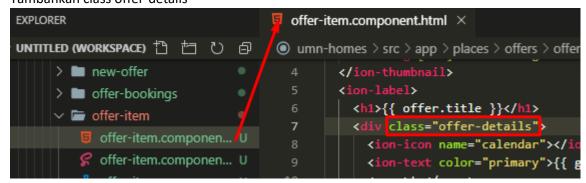
```
| Softers, page.html | X | Image: Softers | Image: Softer
```

7. Tambahkan kode berikut pada offers.module.ts

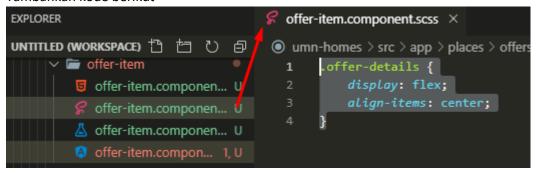


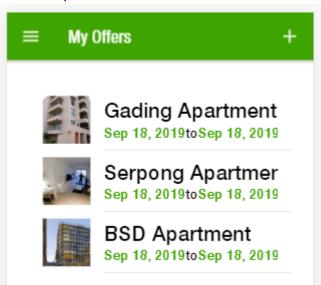


9. Tambahkan class offer-details



10. Tambahkan kode berikut





12. Tambahkan kode berikut

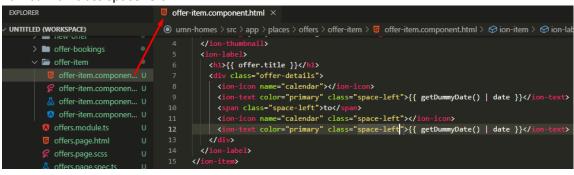
```
🗲 offer-item.component.scss 🛛 🗡
EXPLORER
UNTITLED (WORKSPACE)
                                                                                                                                                                                                                                                              umn-homes > src > app > places > offers > offer
                                      / Intervention
                                                                                                                                                                                                                                                                                                                .offer-details {
                                        > offer-bookings
                                                                                                                                                                                                                                                                                                                                    display: flex;

✓ Image: Value of the valu
                                                                                                                                                                                                                                                                                                                                         align-items: center;

■ offer-item.componen... U

                                                                                                                                                                                                                                                                                                                                       .space-left {
                                                              🗣 offer-item.componen... U
                                                                                                                                                                                                                                                                                                                                                                    margin-left: 5px;
                                                                                                                                                                                                                                                                              6
                                                               Offer-item.componen... U
                                                               Offer-item.componen... U
                                                          offers.module.ts
```

13. Tambahkan class space-left





15. Tambahkan warna secondary untuk icon

16. Lihat hasilnya di browser



17. Tambahkan style berikut:

```
EXPLORER
                                        offer-item.component.scss \times
UNTITLED (WORKSPACE)

    umn-homes > src > app > places > offers > offer-item > 
    f
    offer

      / m new-onei
                                        1 h1 {
     > offer-bookings
                                                 font-size: 18px;
     ∨ 🗁 offer-item
                                                 border: 1px solid var(--ion-color-primary);
                                                 padding: 8px;
       offer-item.componen... \
                                                 border-radius: 5px;
                                                 color: var(--ion-color-primary);
         Offer-item.componen... U
                                            }
         Ø offer-item.componen... U
                                             .offer-details {
        offers.module.ts
                                              display: flex;
        offers.page.html
                                                 align-items: center;
        g offers.page.scss
        offers.page.spec.ts
                                                 .space-left {
        s offers.page.ts
                                                     margin-left: 5px;
                                                 }
       place.model.ts
       places-routing.module.ts U
```

