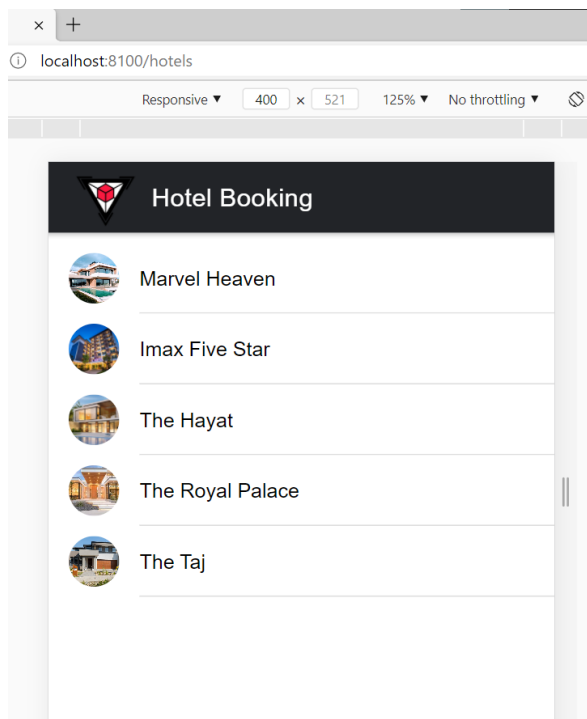

Name – Vivek Prasad

Reg No – 11800669

Question 1.

Create the IONIC-Angular Web App based on the following template and apply the suitable background and font colours. Page1 must contain Logo and Title.

Answer –



```

home.page.html  hotels.page.html X  hotel-detail.page.html  A hotels.service.ts 9+  hotels.page.scss
src > app > hotels > hotels.page.html > ion-header > ion-toolbar
1  <ion-header>
2    <ion-toolbar color='dark'>
3      <ion-title>
4        <div class="headI" >
5           &nbsp; Hotel Booking
6        </div>
7      </ion-title>
8    </ion-toolbar>
9  </ion-header>
10
11 <ion-content>
12 <ion-list>
13   <ion-item *ngFor="let hotel of hotels" [routerLink]="['./',hotel.hid]">
14     <ion-avatar slot="start">
15       <ion-img [src]="hotel.imageUrl"></ion-img>
16     </ion-avatar>
17     <ion-label>{{hotel.htitle}}</ion-label>
18   </ion-item>
19 </ion-list>
20 </ion-content>
21

```

Ques 2.

Create an interface with help of give parameters:

hid : string

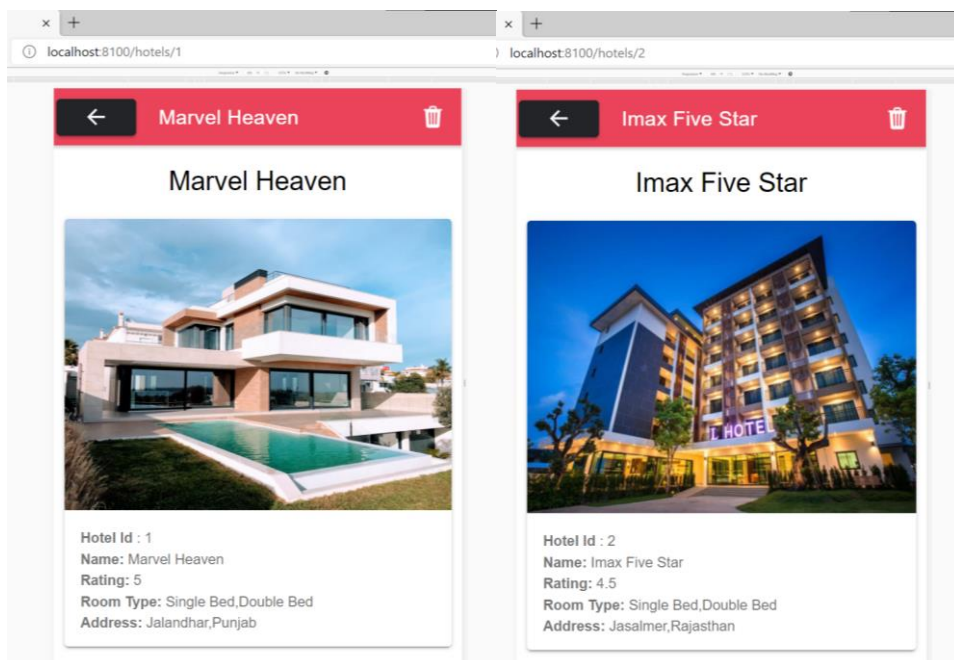
hname: string

hrating : string (5 star/4 star)

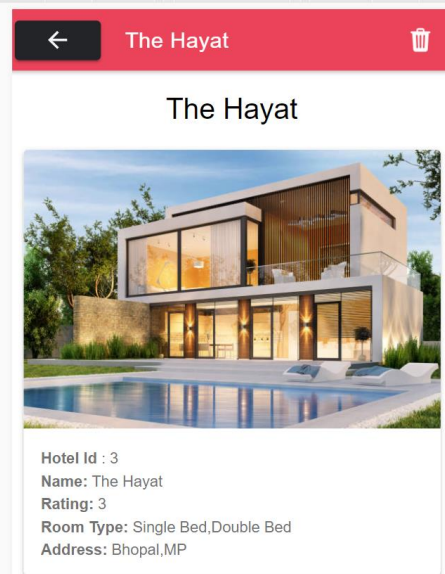
hrtypel[] : string (single room, deluxe room, super deluxe room)

haddress[] : string (street name, city name, phone, email)

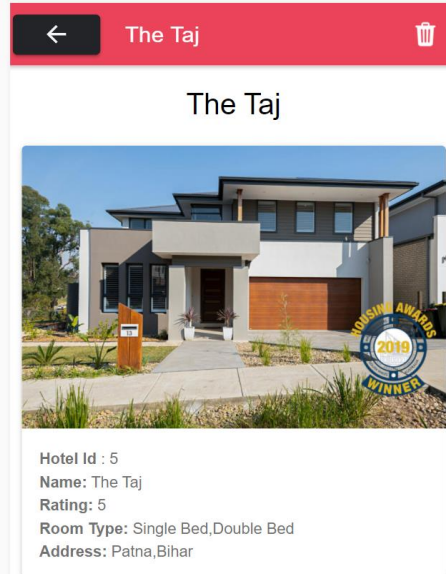
Answer –



localhost:8100/hotels/3



localhost:8100/hotels/5



```
> app > hotels > hotel-detail > hotel-detail.page.html > ion-header > ion-toolbar > ion-button
1  <ion-header>
2    <ion-toolbar color="danger">
3      <ion-button slot="start" color='dark'>
4        <ion-back-button color="light" defaultHref="/hotels">Back</ion-back-button>
5      </ion-button>
6    <ion-title> {{loadedHotel.htitle}} </ion-title>
7    <ion-buttons slot="primary" >
8      <ion-button (click)="onDeleteHotel()">
9        <ion-icon name="trash" slot="icon-only" ></ion-icon>
10     </ion-button>
11   </ion-buttons>
12 </ion-toolbar>
13 </ion-header>
14
15 <ion-content fullscreen>
16
17   <h1 style="text-align: center;">{{loadedHotel.htitle}}</h1><hr>
18   <ion-card>
19     <img [src]="loadedHotel.imageUrl" />
20     <ion-card-content>
21       <b>Hotel Id</b> : {{loadedHotel.hid}}<br>
22       <b>Name:</b> {{loadedHotel.htitle}}<br>
23       <b>Rating:</b> {{loadedHotel.hrating}}<br>
24       <b>Room Type:</b> {{loadedHotel.hrtype}}<br>
25       <b>Address:</b> {{loadedHotel.haddress}}
26     </ion-card-content>
27   </ion-card>
28 </ion-content>
```

```

1 import { Injectable } from '@angular/core';
2 import {Hotel} from './hotel.model'
3
4 @Injectable({
5   providedIn: 'root'
6 })
7 export class HotelsService {
8   private hotels:Hotel[]=[
9     {
10       hid:'1',
11       htitle: 'Marvel Heaven',
12       imageUrl: 'https://images.unsplash.com/photo-1580587771525-78b9dba3b914?ixlib=rb-1.2.1&ixid=MnwzMjA3fDB8MHxleHBsb3JlLWZlZWR8M3x8fGVufDB8fHx8&w=1000&q=80',
13       hrating:'5',
14       hrtype: ['Single Bed','Double Bed'],
15       haddress: ['Jalandhar','Punjab'],
16     },
17     {
18       hid:'2',
19       htitle: 'Imax Five Star',
20       imageUrl: 'https://pix10.agoda.net/hotelImages/124/1246280/1246280_16061017110043391702.jpg?s=1024x768',
21       hrating:'4.5',
22       hrtype: ['Single Bed','Double Bed'],
23       haddress: ['Jasalmer','Rajasthan'],
24     },
25   ],
26 }

```

```

1 {
2   hid:'5',
3   htitle: 'The Taj',
4   imageUrl: 'https://www.hallharthomes.com.au/hs-fs/hubfs/Hallharthomes_June2018/Images/emails/mba%20awards%20announcement/hallharthomes-mba2019-winner.jpg?width=960&name=hallharthomes-mba2019-winner.jpg',
5   hrating:'5',
6   hrtype: ['Single Bed','Double Bed'],
7   haddress: ['Patna','Bihar'],
8 },
9 ];
10 constructor() { }
11 getAllHotels(){
12   return [...this.hotels];
13 }
14 getHotel(hotelid:string){
15   return{
16     ...this.hotels.find(hotel =>{
17       return hotel.hid === hotelid;
18     })
19   }
20 }
21 deleteHotel(hotelid: string){
22   this.hotels=this.hotels.filter(hotel=>{ return hotel.hid !== hotelid; });
23 }
24 }
25

```

Ques 3.

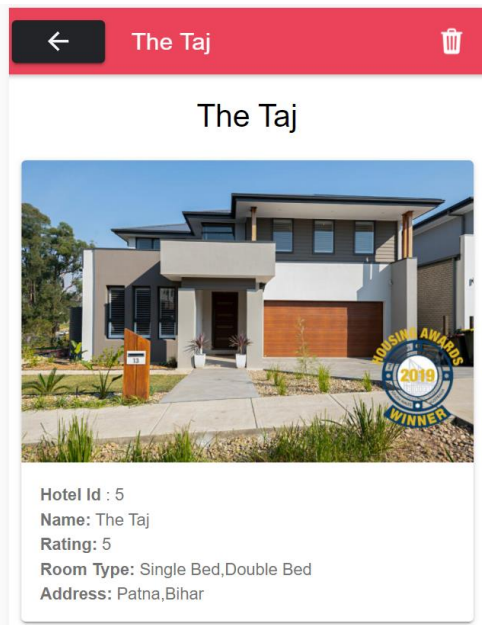
Create other correlated supporting pages to navigate more details.
Every supporting page should contain “Back button”.

Answer –

```

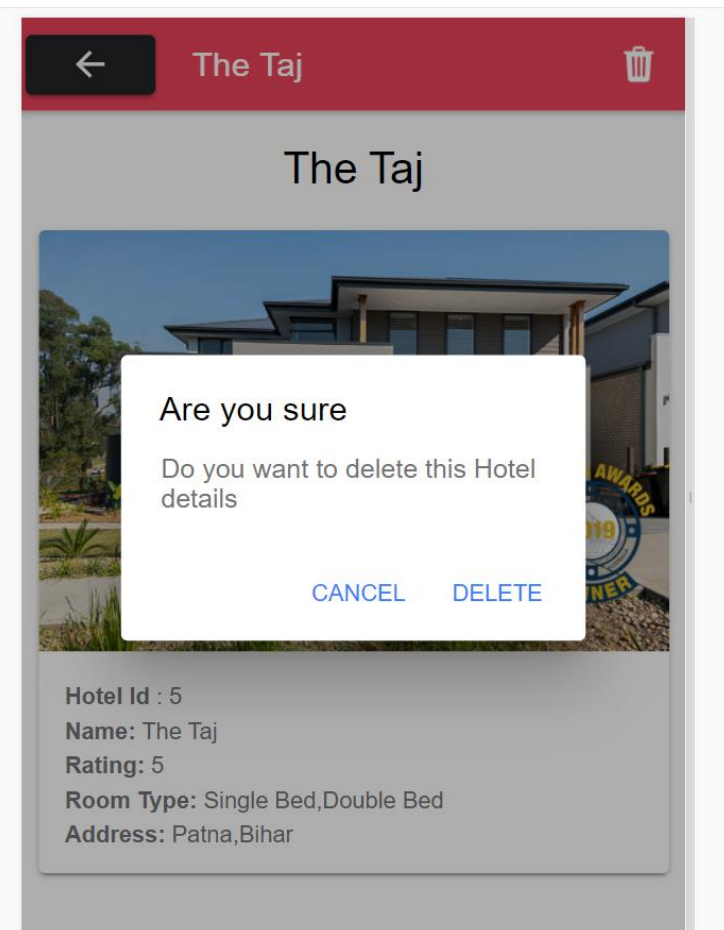
<ion-toolbar color="danger">
  <ion-button slot="start" color='dark'>
    <ion-back-button color="light" defaultHref="/hotels">Back</ion-back-button>
  </ion-button>
  <ion-title> {{loadedHotel.htitle}} </ion-title>
</ion-toolbar>
<ion-buttons slot="primary">

```



Ques 4. All some alerting controllers which helps the users to take the decision before delete the data.

Answer –



```

</ion-button>
<ion-title> {{loadedHotel.htitle}} </ion-title>
<ion-buttons slot="primary" >
  <ion-button (click)="onDeleteHotel()">
    <ion-icon name="trash" slot="icon-only" ></ion-icon>
  </ion-button>
</ion-buttons>
</ion-toolbar>
</ion-header>

```

Question 5.

Convert the above ionic-android web app into android app (Include the steps and write the command used to convert web app into android app)

Answer –

1. Ng build

```

PS C:\Users\vivek\Desktop\app> ng build
? Would you like to share anonymous usage data about this project with the Angular Team at
Google under Google's Privacy Policy at https://policies.google.com/privacy? For more
details and how to change this setting, see https://angular.io/analytics. No
✓ Browser application bundle generation complete.
✓ Copying assets complete.
✓ Index html generation complete.

```

Initial Chunk Files	Names	Size
vendor.js	vendor	4.52 MB
polyfills.js	polyfills	252.41 kB
styles.css	styles	30.74 kB
main.js	main	13.93 kB
runtime.js	runtime	9.58 kB
	Initial Total	4.82 MB

Lazy Chunk Files	Names	Size
swiper-bundle-44a9b1f9-js.js	swiper-bundle-44a9b1f9-js	200.02 kB
polyfills-core-js.js	polyfills-core-js	92.39 kB
11.js	-	72.58 kB
17.js	-	72.29 kB


2. Ionic capacitor add android

```
Build at: 2021-04-19T16:49:06.617Z - Hash: 686336699c40f25858c8 - Time: 22447ms
PS C:\Users\vivek\Desktop\app> ionic capacitor add android
> capacitor.cmd add android
✓ Installing android dependencies in 19.15s
✓ Adding native android project in: C:\Users\vivek\Desktop\app\android in 91.65ms
✓ Syncing Gradle in 1.09ms
✓ add in 19.24s
✓ Copying web assets from www to android\app\src\main\assets\public in 1.28s
✓ Copying native bridge in 2.04ms
✓ copy in 1.33s
✓ Updating Android plugins in 17.93ms
  Found 0 Capacitor plugins for android:
✓ update android in 151.70ms
```

3. Check all the configuration files

- Angular.config.json
- Ionic.config.json
- Package.json
- Capacitor.config.json

4. Add unique identifier for your project in capacitor.config.json



```
home.page.html hotels.page.html hotel-detail.page.html capacitor.config.json × hotels.service.ts 9+
capacitor.config.json > appld
1  {
2    "appId": "com.APP",
3    "appName": "assign3",
4    "bundledWebRuntime": false,
5    "npmClient": "npm",
6    "webDir": "www",
7    "plugins": {
8      "SplashScreen": {
9        "launchShowDuration": 0
10     }
11  },
12  "cordova": {}
13  }
14
```

5. Run ionic capacitor copy android


```

Build at: 2021-04-19T16:49:06.617Z - Hash: 686336699c40f25858c8 - Time: 22447ms
PS C:\Users\vivek\Desktop\app> ionic capacitor add android
> capacitor.cmd add android
✓ Installing android dependencies in 19.15s
✓ Adding native android project in: C:\Users\vivek\Desktop\app\android in 91.65ms
✓ Syncing Gradle in 1.09ms
✓ add in 19.24s
✓ Copying web assets from www to android\app\src\main\assets\public in 1.28s
✓ Copying native bridge in 2.04ms
✓ copy in 1.33s
✓ Updating Android plugins in 17.93ms
  Found 0 Capacitor plugins for android:
✓ update android in 151.70ms

```

6. Run command \$ ionic capacitor run android to run your application in the android studio

```

> ng.cmd run app:build
^CTerminate batch job (Y/N)?
PS C:\Users\vivek\Desktop\app> ^C
PS C:\Users\vivek\Desktop\app> ionic capacitor run android
> capacitor.cmd add android
[error] platform android not found
> ng.cmd run app:build
✓ Browser application bundle generation complete.
✓ Copying assets complete.
✓ Index html generation complete.

```

Initial Chunk Files	Names	Size
vendor.js	vendor	4.52 MB
polyfills.js	polyfills	252.41 kB
styles.css	styles	30.74 kB
main.js	main	13.93 kB
runtime.js	runtime	9.58 kB
	Initial Total	4.82 MB

Lazy Chunk Files	Names	Size
swiper-bundle-44a9b1f9-js.js	swiper-bundle-44a9b1f9-js	200.02 kB

7. Now App will be running in your android studio emulator.

