In Class Exercise 5

(Photos API)

1. Visit this url -> <https://unsplash.com/developers>
2. Click on Register as a developer button and create a developers account.

Graphical user interface, application, website

Description automatically generated

1. Fill out this form.

Graphical user interface, text, application

Description automatically generated

4.) Click new Application.

Graphical user interface, text

Description automatically generated

5). Mark all checkboxes and Accept all terms.

6). Give your Application any name and description and than click create Application.

Graphical user interface, text, application

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7). Scroll down to keys section and copy the access key and save it somewhere. We need this key to make the API call.

8). Now start visual studio code and create a Angular Application.

9). Generate a component to show the photos. Name it photo-show.

10). Generate a service “Photos”.

11). To make Api calls we have to use “HttpClientModule”. So write an import statement in the app.module.ts to get HttpClientModule. Also Add HttpClientModule in the imports Array.

Graphical user interface, text

Description automatically generated

12)Generate a model class “ UnsplashResponse ”using command ng g cl models/UnsplashResponse.

13) Look at the response that you are getting from unsplash. We want to access the regular Property inside urls.

Graphical user interface, text, application

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14) In your model class. Create a property urls and create a property named regular of type string.

A screenshot of a computer

Description automatically generated with medium confidence

15. Now in photos.service.ts file add an import startement to add Http Client.

import { HttpClient } from '@angular/common/http';

16. Now add dependency injection to HttpClient from services.

constructor(private http: HttpClient) {}

17. Create a method getPhotos in services to fetch the photos. Use the http get method to fetch the photos.

18. The main logic in this exercise is to send the Api key to get Access. We will send Api using the headers property.

19 Look at the get method in the HttpClient. And check the headers?: property.

1. Headers property is optional and its an object of HttpHeaders.

Text

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20). In the get Method in your service.ts file pass the url And also pass the Api key in the headers as shown in the image.

A screenshot of a computer

Description automatically generated with medium confidence

Now open your photo-show component.ts file.

21) In the component.ts file create a property named photoUrl of type string,

22)Add dependency injection to service.

constructor(private photosService: PhotosService) {

  }

23.) No create a method named fetchPhotos() and use this method to subscribe to your getPhoto() method in your service and to display images.

24) Call fetch photo method inside ngOnIt to initialize this method on page load.

25) Now open your photo-show component.html file and display the image use img src and bind the [src] property with imageUrl property in your component.ts file.

26). Also use \*ngIf directive to check if imageUrl holds some value and only display image if it does.

27). Finally create a button named “Fetch new Images”.

28). Use event binding with this button to call fetchPhoto() method in your component.ts file.

29. Check the output.

30. Remove the node\_modules folder and submit your exercise.