**HTTP**

In order to start making HTTP calls from our Angular app we need to import the ***angular/http*** module and register for HTTP services. It supports both XHR and JSONP requests exposed through the ***HttpModule*** and ***JsonpModule*** respectively. In this section we will be focusing only on the ***HttpModule***.

**Setting up angular/http**

In order to use the various HTTP services we need to include ***HttpModule*** in the imports for the root ***NgModule***. This will allow us to access HTTP services from anywhere in the application.

import { AppComponent } from './app.component'

import { HttpModule } from '@angular/http';

@NgModule({

imports: [

BrowserModule,

ReactiveFormsModule,

FormsModule,

HttpModule

],

providers: [SearchService],

declarations: [AppComponent],

bootstrap: [AppComponent]

})

export class AppModule {}

**Making HTTP Requests**

To make HTTP requests we will use the ***Http*** service. In this example we are creating a ***SearchService*** to interact with the Spotify API.

import { Http } from '@angular/http';

import { Injectable } from '@angular/core';

import { Observable } from 'rxjs/Observable';

import 'rxjs/add/operator/map';

@Injectable()

export class SearchService {

constructor(private http: Http) {}

search(term: string) {

return this.http

.get('https://api.spotify.com/v1/search?q=' + term + '&type=artist')

.map(response => response.json());

}

}

Here we are making an HTTP GET request which is exposed to us as an observable. You will notice the ***.map*** operator chained to ***.get***. The ***Http*** service provides us with the raw response as a string. In order to consume the fetched data we have to convert it to JSON.

In addition to ***Http.get()***, there are also ***Http.post()***, ***Http.put()***, ***Http.delete()***, etc. They all return observables.

**Catching Rejections**

To catch rejections we use the subscriber's ***error*** and ***complete*** callbacks.

import { Http } from '@angular/http';

import { Injectable } from '@angular/core';

@Injectable()

export class AuthService {

constructor(private http: Http) {}

login(username, password) {

const payload = {

username: username,

password: password

};

this.http.post(`${ BASE\_URL }/auth/login`, payload)

.map(response => response.json())

.subscribe(

authData => this.storeToken(authData.id\_token),

(err) => console.error(err),

() => console.log('Authentication Complete')

);

}

}