Angular Component – Service – Http Application
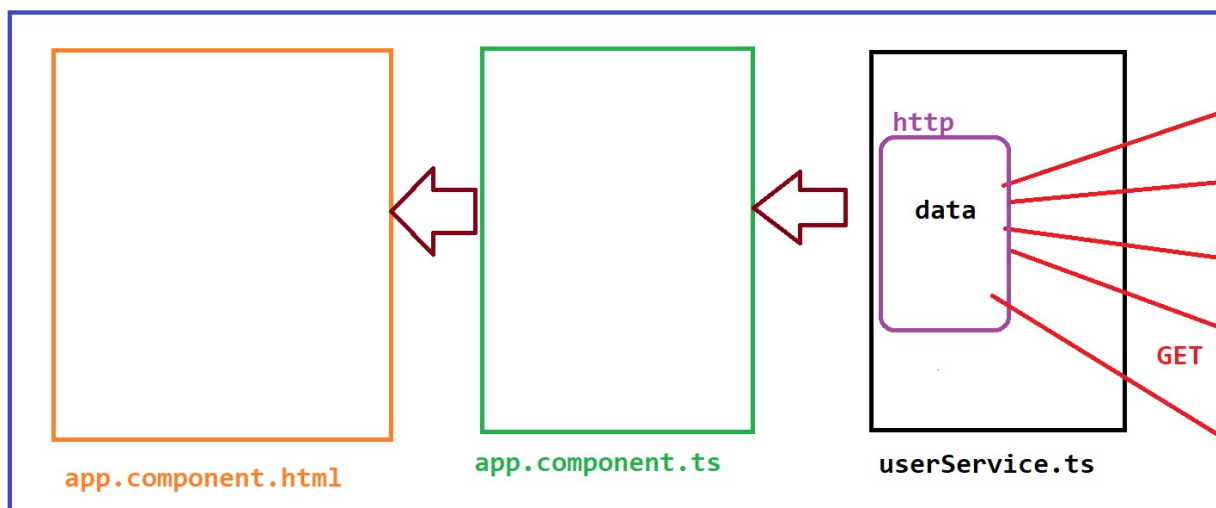

Step1: create a Angular Project by using following command in to console

>ng new httpapplication

>cd httpapplication

Step 2: open project into Visual Studio Code after add bootstrap code into index.html

->copy css from getbootstrap.com site or else use following one
https://getbootstrap.com/docs/4.5/getting-started/introduction/
Just copy css link and add into index.html head section
```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.cs
s" integrity="sha384-
9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+NcPb1dKGj7Sk" crossorigin="anonymous">
```
->same kind of way copy js file and into index.html before closing body tag
```
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js" integrity="sha384
-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" crossorigin="anonymous"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js" integrity="sha3
84-
OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/kR0JKI" crossorigin="anonymous"></script>
```

Step 3: To Enable the Http Service in to app.module.ts

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { HttpClientModule} from '@angular/common/http';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { UserService } from './user.service';
```

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```
@NgModule({
  declarations: [
    AppComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    HttpClientModule
  ],
  providers: [UserService],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

Step 4: To Inject HttpClient and make http call create service and the following code

>ng g s user

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

@Injectable({
  providedIn: 'root'
})
export class UserService {

  constructor(private http:HttpClient) { }

  getAllUsers(){
    return this.http.get("https://jsonplaceholder.typicode.com/users");
    }
}
```

Note : jsonplaceholder provide rest api fake url's

Step 5: To import userService in the component and subscribe

```
import { Component, OnInit } from '@angular/core';
import { UserService } from './user.service';

@Component({
  selector: 'app-root',
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent implements OnInit{

  title = 'Angular Service Based Demo Application';

  constructor(private userService:UserService){}

  users:any;
```
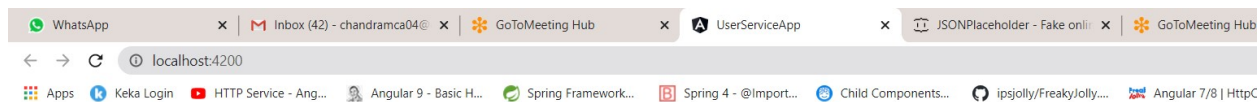
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```
ngOnInit(){
 this.userService.getAllUsers().subscribe((data)=>{
  this.users=data;
 });
 }
}
```


Angular Service Based Demo Application

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