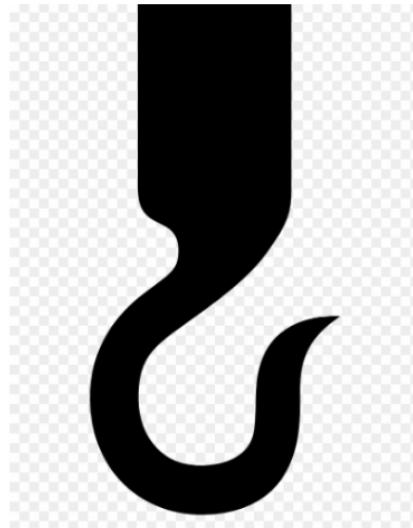


What are the life cycle hooks in Angular components? Angular Interview asked question.



ACHARYA ANIL SURYAVANSHI May 2 · 2 min read

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In An Angular app have lifecycle so its Unit also have. When component load its lifecycle start and lifecycle have hooks. Hooks are functions(events) triggered at various stage of Angular Change Detection.

We can respond to lifecycle hooks (events) by using interfaces as create, update and destroy.

1. ngOnChanges : — trigger When data bound input property set or

reset (changes) first after create before ngOnInit and then after that also. Methods received object contain previous and current value.

```
ngOnChanges(changes: SimpleChanges) {  
  
  for (const propName in changes) {  
  
    const chng = changes[propName];  
  
    const cur = JSON.stringify(chng.currentValue);  
  
    const prev = JSON.stringify(chng.previousValue);  
  
  }  
  
}
```

2. ngOnInit : Once after ngOnChanges. Initialize the component fetch data and set properties(default values).

```
ngOnInit() {  
  
  this.getUsers();  
  
  this.setData();  
  
}
```

3. ngDoCheck: called just after ngOnInit first run, then every ngOnChanges. To detect and act upon change angular won't detect its own. Some properties ngOnChange not able catch.

```
ngDoCheck() {  
  
  // Own Code  
  
}
```

4. ngAfterContentInit: Trigger after first ngDoCheck once (After content initialize). When projection External content into components view. (Content Projection)

<ng-content></ng-content> and html between components tags.

```
'<after-content>  
  
<app-child></app-child>  
  
</after-content>
```

5. ngAfterContentChecked: Trigger after first ngAfterContentInit and every ngDoCheck. Respond after Angular check content projection is done and also perform various actions.

It concern ContentChildren, the child components that Angular projected into the component.

```

export class AfterContentComponent implements AfterContentChecked,
AfterContentInit {

    @ContentChild(ChildComponent) contentChild: ChildComponent;

    ngAfterContentInit() {

        // contentChild is set after the content has been initialized

        this.doSomething();

    }

    ngAfterContentChecked() {

        // contentChild is updated after the content has been checked

        this.doSomething();

    }

}

```

6. ngAfterViewInit: Trigger After a component's views are initialized once after ngAfterContentChecked.

In Change Detection if there is any change in child angular need to make it should not impact the parent because of unidirectional data flow. It call after child

```

export class AfterViewComponent implements AfterViewChecked,
AfterViewInit {

    // Query for a VIEW child of type `ChildViewComponent`

    @ViewChild(ChildViewComponent) viewChild: ChildViewComponent;

    ngAfterViewInit() {

        // viewChild is set after the view has been initialized

        this.logIt('AfterViewInit');

        this.doSomething();

    }

}

```

7. ngAfterViewChecked: Trigger After every check of a component's views and child views . After ngAfterViewInit initialized once after every ngAfterContentChecked.

```

export class AfterViewComponent implements AfterViewChecked,
AfterViewInit {

```

```

// Query for a VIEW child of type `ChildViewComponent`

@ViewChild(ChildViewComponent) viewChild: ChildViewComponent;

ngAfterViewChecked() {

  // viewChild is updated after the view has been checked

  this.doSomething();

}

}

```

9. ngOnDestroy: Trigger before Component destroy(instance deleted).

Useful in memory optimization like unsubscribe, clear time interval, timeouts, unregister callback and detach events.

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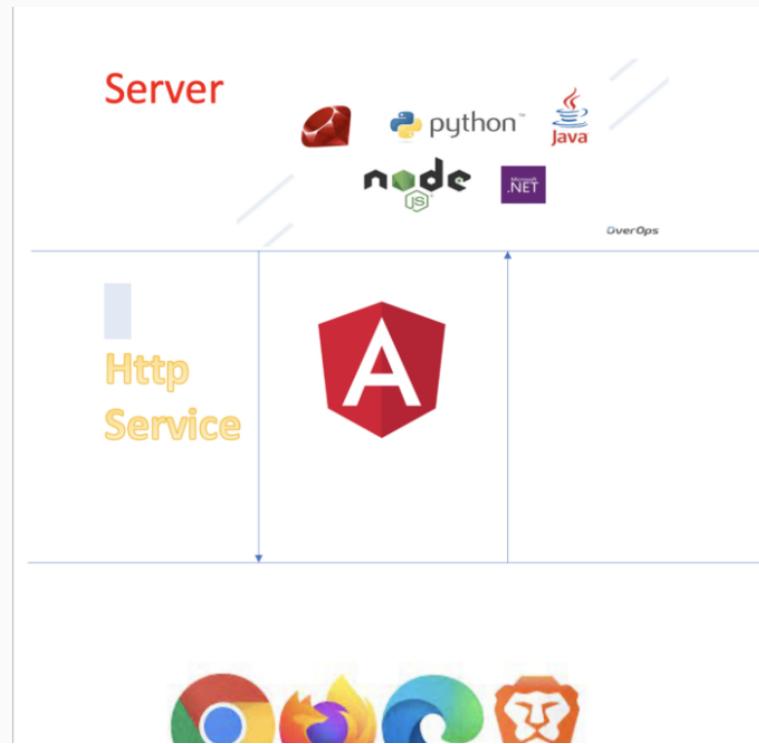
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May 1

How to consume an JSON REST api (server)?





Client

A Rest api is accessible by any server path that communicates to the server from any client browser in case of angular. Angular provides us http service of Http module. Service have feature to request, error handling, interceptor, Rxjs observables and operators.

We need to Inject http module in the main module.

```
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { HttpClientModule } from '@angular/common/http';

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

Then make common communication service using http service

```
import { Injectable } from '@angular/core';
import { HttpClient } from '@angular/common/http';
@Injectable()
export class ConfigService {
  constructor(private http: HttpClient) {}
```

Then make any kind of request get , post , put, delete

GET Request

```
getResponse(): Observable<HttpResponse<T>> {
  return this.http.get<T>(
    this.configUrl);
}
```



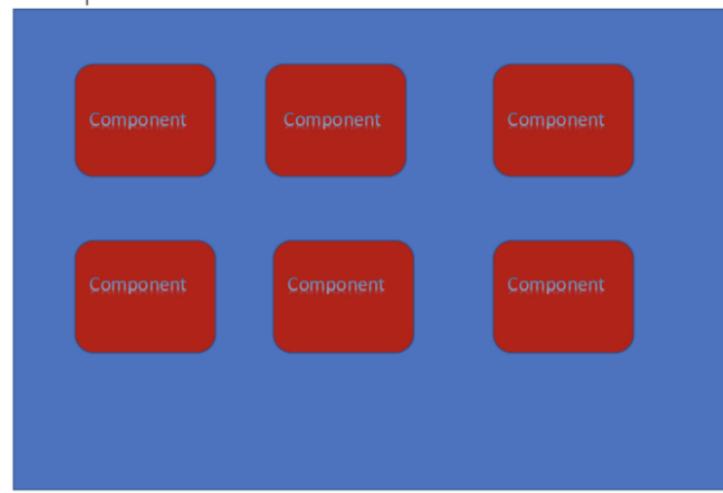
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May 1

What is the component in Angular?

Angular App



Component is an element of the Angular app. They are the main building blocks. Each component is a type of directive. Component is made of class with Component metadata, html template, css selector and optionally css style apply to html template. Component have lifecycle hooks.

Cli command

```
ng g c app-component-overview
```

Syntax :-

```
@Component({
  selector: 'app-component-overview',
  templateUrl: './component-overview.component.html',
  styleUrls: ['./component-overview.component.css']
})
export class ComponentOverviewComponent {
```

}



Apr 11

Expert level Angular Interview Questions Part -3





Performance and optimization

1. How to support accessibility ?
2. How to check version of angular app?
3. How to update old angular third party libraries?
4. What is a lightweight injection token?
5. Step to deploy angular app?
6. How to configure differential loading?
7. What is AOT ?
8. What are the phases included in compilation ?
9. What is...

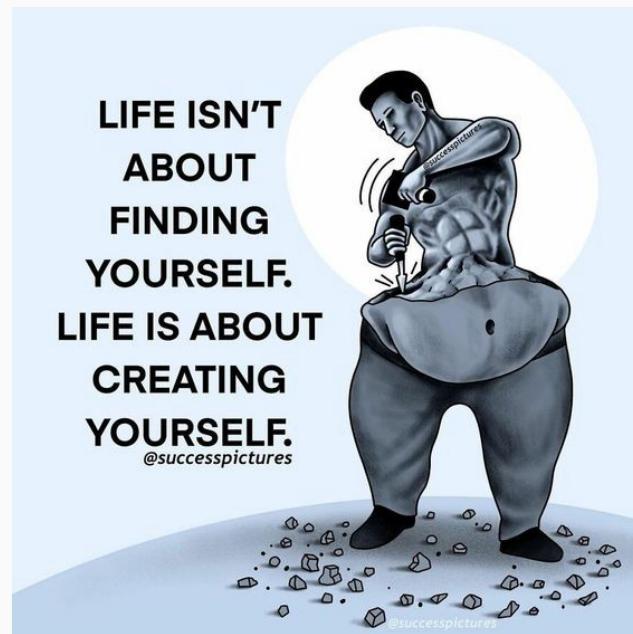
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Up ↑ Down ↓ ...

Apr 11

Expert level Angular Interview Questions Part -2



HTTP Client

1. How to consume an JSON REST api (server)?
2. Which service is used for hitting an api?
3. Differentiate between get and post?
4. What is a header?
5. In Auth 2 how to manage token expire scenario by renew it using refresh token without impact of user experience?

6. Where do we put http...

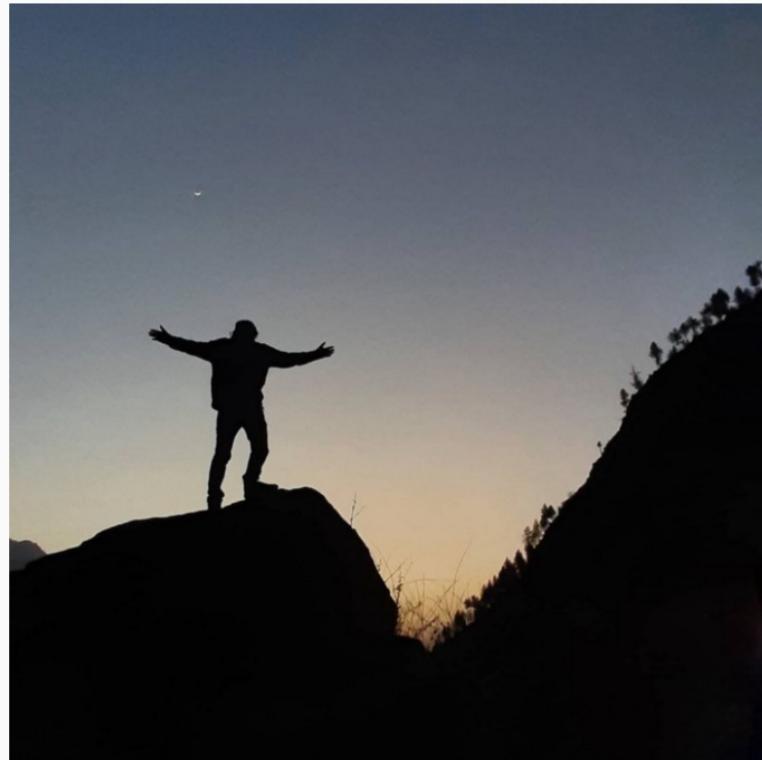
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Mar 26

Expert level Angular Interview Questions Part -1



My self in Fallachan Valley

Components

1. [How is changing the CD strategy to onPush impact component?](#)
2. How to make child component data two way data binding?
3. [What is the dynamic component?](#)
4. What is an angular element?
5. What is a component factory resolver?
6. In Parent to child component communication. Suppose an object have two properties only change...

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