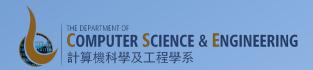
Angular HTTP Client

Jogesh K. Muppala





Angular HTTP Client

- Angular supports communication with servers using the HTTP protocol via the browser's
 - XMLHttpRequest (XHR): HttpModule
 - JSONP: JsonpModule
 - Import from @angular/http library
- Operation is asynchronous in nature
- Always delegate data access to a supporting service class
 - Components make use of the services

The HTTP Client

The HTTP client returns an Observable:

```
http.get(<URL>)
    .subscribe(. . .);
```

Methods:

```
http.get(), http.put(), http.post(), http.delete(),
http.jsonp(), http.head() . . .
```

HTTP Response

- The Angular HTTP client follows the Fetch specification for the response object returned by the Fetch function
- That spec defines a json() method that parses the response body into a JavaScript object body = res.json()

Error Handling

Error handling done through catch()

```
http.get(<URL>)
    .map(. . .)
    .catch( . . . )
```

- Process the error in the service and return an error message string to the component through Observable.throw()
- Component that subscribes should then decide how to handle error

```
.subscribe(data => . . .,
error => . . .);
```