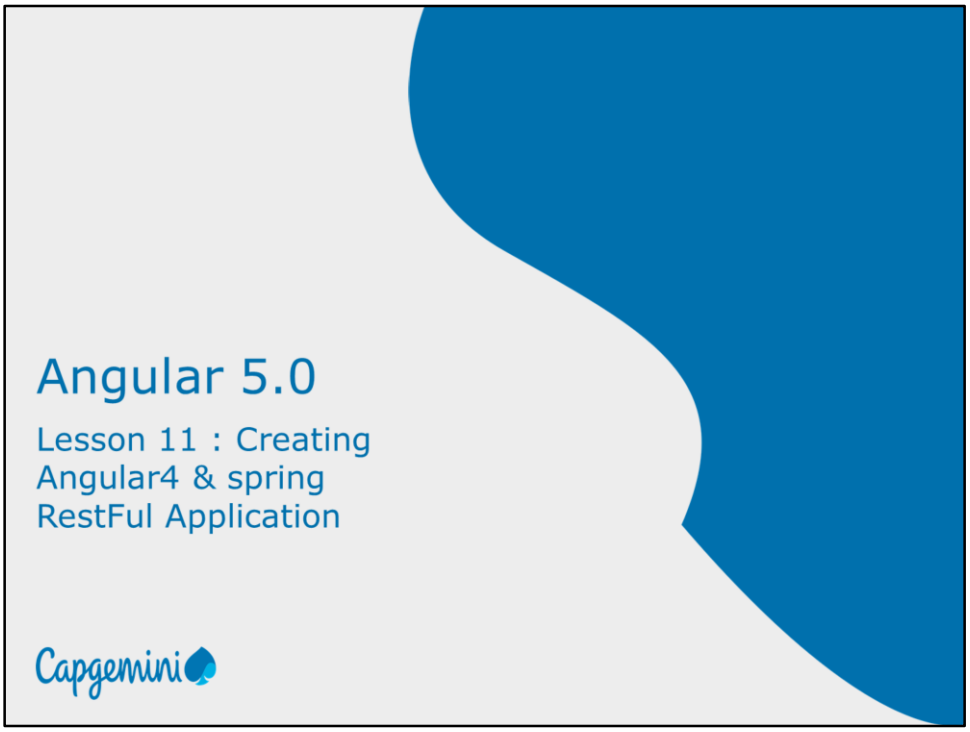
Instructor Notes:

Add instructor notes here.



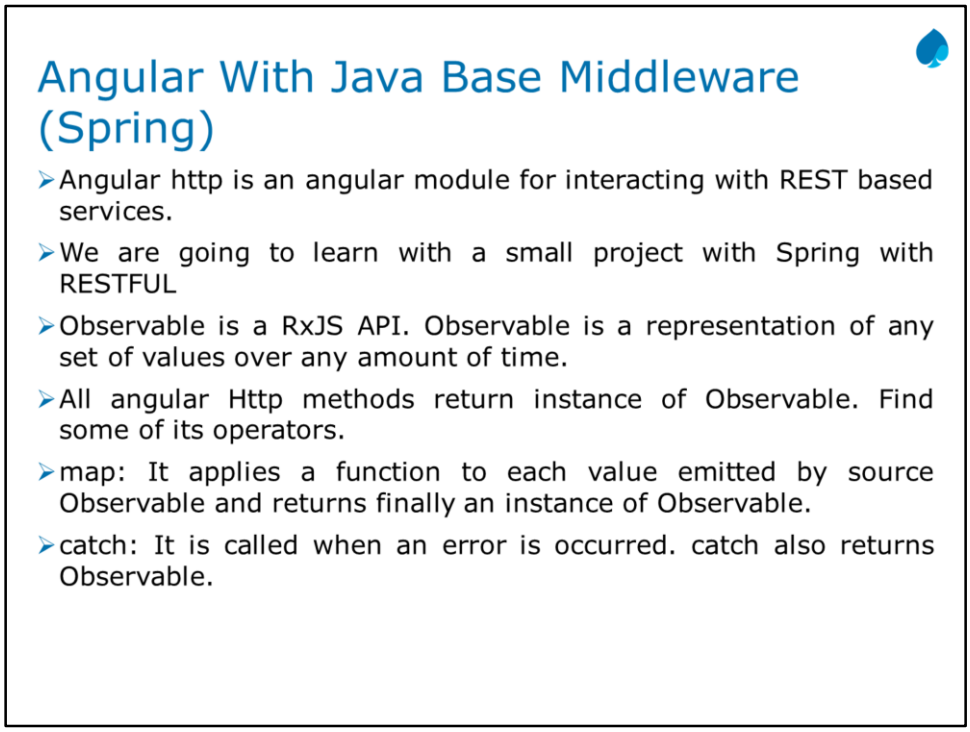
Instructor Notes:

Add instructor notes here.

Lesson Objectives

- Angular5 & spring restful Application

Instructor Notes:



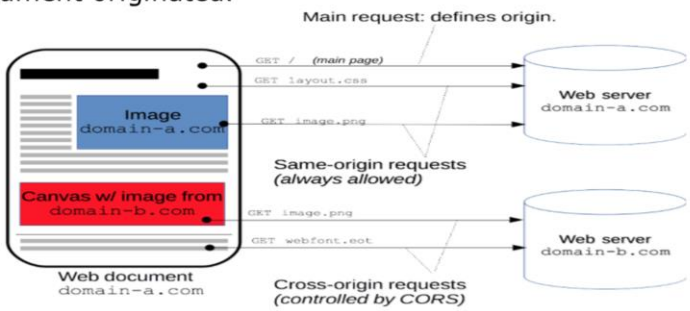
We will perform create operation using Angular Http.post() method. It hits the request URL using HTTP POST method. Http.post() method syntax is as follows.
post(url: string, body: any, options?: RequestOptionsArgs) : Observable<Response>
The description of parameters is given as below.
url: This is the REST web service URL to create article.
body: This is of any type object that will be passed to REST web service server. In our example we will create an Angular class as Article and pass its instance to body parameter.
options: This is optional. This accepts the instance of Angular RequestOptions that is instantiated using Angular RequestOptionsArgs. Using RequestOptions we pass request parameter, request headers etc.

Http.post() returns instance of Observable. Observable is a representation of any set of values over any amount of time.

Instructor Notes:

Cross-Origin Resource Sharing (CORS)

- Cross-Origin Resource Sharing (CORS) is a mechanism that uses additional HTTP headers to let a user agent gain permission to access selected resources from a server on a different origin (domain) than the site currently in use.
- **HTTP request** when it requests a resource from a different domain, protocol, or port than the one from which the current document originated.



The only allowed methods are:

- GET
- HEAD
- POST

Apart from the headers set automatically by the user agent (for example, Connection, User-Agent, or any of the other headers with names defined in the Fetch spec as a "forbidden header name"), the only headers which are allowed to be manually set are those which the Fetch spec defines as being a "CORS-safelisted request-header", which are:

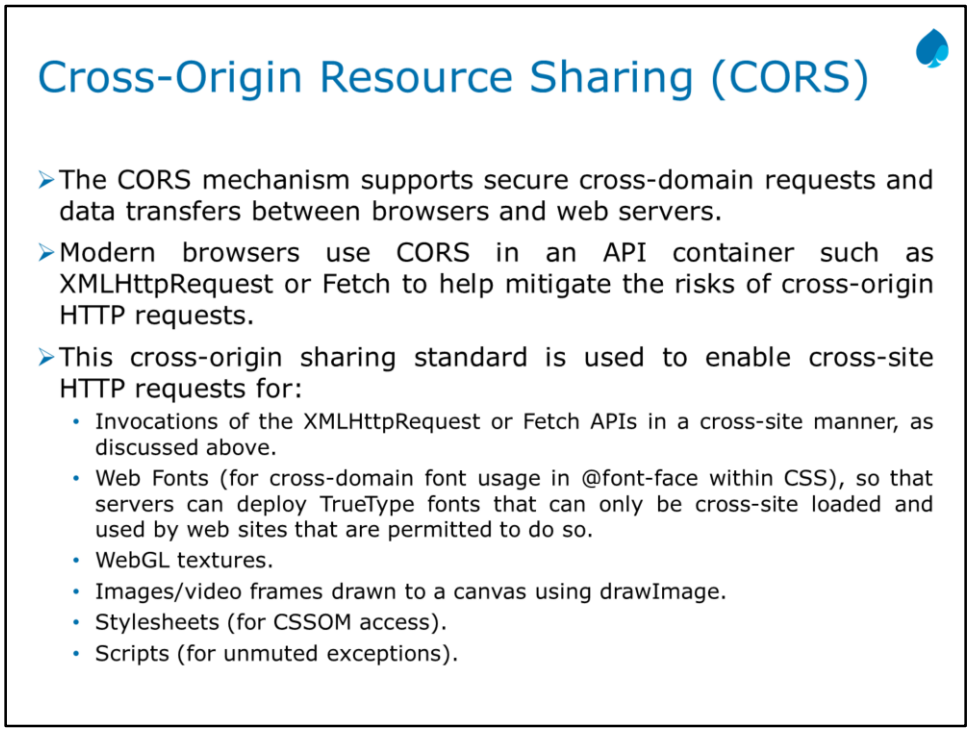
- Accept
- Accept-Language
- Content-Language
- Content-Type (but note the additional requirements below)
- Last-Event-ID
- DPR
- Save-Data
- Viewport-Width
- Width

The only allowed values for the Content-Type header are:

- application/x-www-form-urlencoded
- multipart/form-data
- text/plain

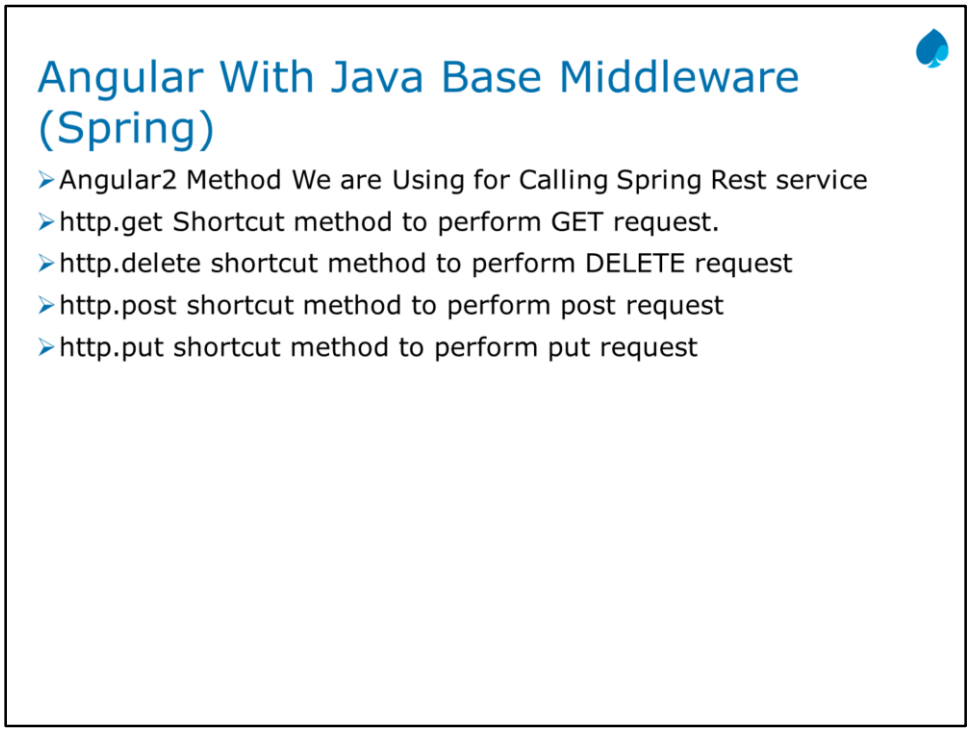
No event listeners are registered on any XMLHttpRequestUpload object used in the request; these are accessed using the XMLHttpRequest.upload property.
No ReadableStream object is used in the request.

Instructor Notes:



In our code created filter &
response.addHeader("Access-Control-Allow-Origin", "*");
response.addHeader("Access-Control-Allow-Methods", "POST, GET, OPTIONS, PUT, DELETE, HEAD");
response.addHeader("Access-Control-Allow-Headers", "X-PINGOTHER, Origin, X-Requested-With, Content-Type, Accept");
response.addHeader("Access-Control-Max-Age", "1728000");

Instructor Notes:



We will perform read operation using Angular Http.get() method. It hits the URL using HTTP GET method. Find its syntax.
get(url: string, options?: RequestOptionsArgs) : Observable<Response>
Find the description of the parameters.
url: Web service URL to read article.
options: This is optional. It is used to pass request parameter, headers etc.

Http.get() returns the instance of Observable.
Http.put
We will perform update operation using Angular 2 Http.put() method. It hits the URL using HTTP PUT method. Find its syntax.
put(url: string, body: any, options?: RequestOptionsArgs) : Observable<Response>
Find the description of parameters.
url: This is the REST web service URL to update article.
body: This is of any type object that will be passed to REST web service server. In our example we will create an Angular class as Article and pass its instance to body parameter.
options: This is optional. This is used to pass request parameter, request headers etc.

Http.put() returns the instance of Observable.

Instructor Notes:

Add instructor notes here.

Demo

- Crud Demo angular With spring
- Spring Static
- Spring with Jpa

Instructor Notes:

Lab

- Lab 05

Instructor Notes:

Add instructor notes here.

Summary

- Angular http is an angular module for interacting with REST based services. We are going to learn with a small project with Spring with RESTFUL
- CORS features

Add the notes here.