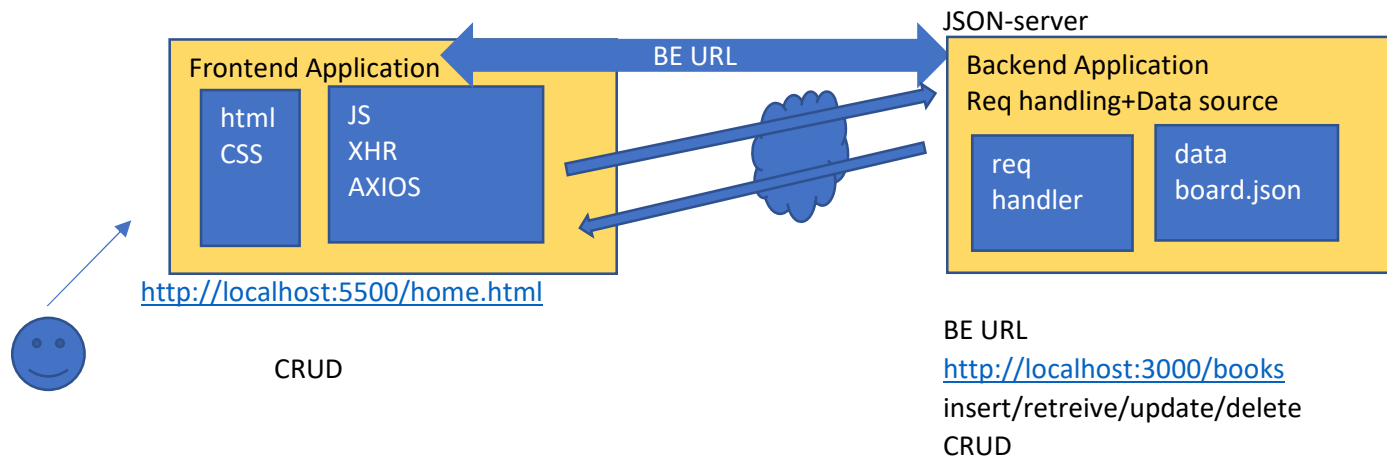


http	header	Information about traveling
Request	data+header	Request header : information about request
Reponse	data+header	Response header : information about response

### Types of request

GET *	retreiving data	
POST	sending data(insert)	<form method="POST">
PUT	updating data	
DELETE	delete data	
..		
..		



XHR	Synchronous	t1
XmlHttpRequest	Asynchronous	t2
		t3
		t4

[post](#) req+data  
 get req  
 delete req  
 put req+data  
 ..  
 ..  
 ..

XHR Ready state

```

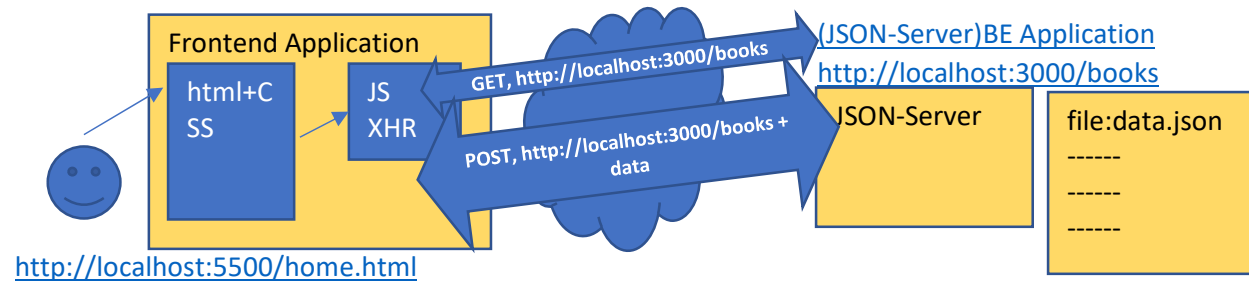
UNSENT=0; // initial state
OPENED=1; // called open
HEADERS_RECEIVED=2; // response headers received
LOADING=3; // response is loading (data packets received)
DONE=4; // request complete
  
```

Response status

Response codes

100-199	Informational Response
200-299	Successful response
300-399	Redirection message
400-499	Client error response
500-599	Server error response

Demo



## Task 1

Get all book records from Data source thru URL, render on webpage

Step 1 Make sure JSON server is running and URL is active

```
C:\Wave-31\Exers-Demos\js\demos\sprint5>json-server -w data.json
```

```
\{^_^}/ hi!
```

```
Loading data.json  
Done
```

```
Resources  
http://localhost:3000/books
```

```
Home  
http://localhost:3000
```

```
Type s + enter at any time to create a snapshot of the database  
Watching...
```

```
GET /books 304 23.357 ms - -
```

```
← → ↻ ⓘ localhost:3000/books  
[  
  {  
    "id": "B001",  
    "name": "Spirit of C",  
    "subject": "C Language",  
    "author": "M Cooper",  
    "price": 230  
  },  
  {  
    "id": "B002",  
    "name": "Servlets and JSP",  
    "subject": "JSP",  
    "author": "MC-G-Hil",  
    "price": 435  
  },  
]
```

Step 2 Create js file  
create XHR object  
set properties to XHR (type,URL)  
send the request

Step 3 Receive response  
display response data in console.log

Step 4 Render response on webpage

Task 2

Capture new book details in form, add new book records into data source

Step 1 Make sure JSON server is running and URL is active

```
C:\Wave-31\Exers-Demos\js\demos\sprint5>json-server -w data.json

\(^_^)/ hi!

Loading data.json
Done

Resources
http://localhost:3000/books

Home
http://localhost:3000

Type s + enter at any time to create a snapshot of the database
Watching...

GET /books 304 23.357 ms - -
```

localhost:3000/books

```
[
  {
    "id": "B001",
    "name": "Spirit of C",
    "subject": "C Language",
    "author": "M Cooper",
    "price": 230
  },
  {
    "id": "B002",
    "name": "Servlets and JSP",
    "subject": "JSP",
    "author": "MC-G-Hil",
    "price": 435
  },
]
```

Step 2 in html page

create form to capture book data

Step 3 in js file

write logic to capture form data when submitted

create XHR object (POST,URL)

b001

C

abcd

						Delete	
b001	C	..	.	.	.	<input type="checkbox"/>	update
B002	JAV	..	.	.	.	<input type="checkbox"/>	update
B003	.NET	.	.	.	.	<input type="checkbox"/>	update

A yellow rectangular form with a blue border. Inside, there is a white input field containing 'B01' and a blue button labeled 'delete' next to it. Below these, there is another blue button labeled 'update'.

js

hardcoded logic to delete a particular record

hardcoded logic to update particular records with particular details

id	pwd	role	status
myid	mypwd	USER	Active