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Lecture 19 : Ajax

Practice Questions

1. Create and implement a generic XMLHttpRequest object.

```javascript
const req = new XMLHttpRequest();
req.open('GET', url, true); // request method, url (string), asynchronous (boolean)
req.addEventListener('load) {..} // on load
req.addEventListener('error') {..} // on errror
req.send(); // to send out your request
```

Anki

What is traditional web application? -> The application itself is mostly server-sided, the client side is usually just presentation. Where after posting or getting some information from the backend the client side loads another page or refresh current page.

What is single page web application? -> In this type of application only a single page is loaded. Content is added to pages as necessary wihtout reloading the page or transferring control to another page.

How does single page web application work? -> While on a page, the user can trigger background requests to the server, in this case the server returns data rather than html document. The client is updated when the data is get or posted.

What does Ajax stands for? -> Asynchronous JavasScript and XML(can be json or anything else even html fragments)

What is XMLHttpRequest? -> It is JS object that allows browser based JS to make http requests.

How does XMLHttpRequest work? -> First create an XMLHttpRequest object, next configure it with the right request method and url, next specify what should it do on error and content load, send out the request.