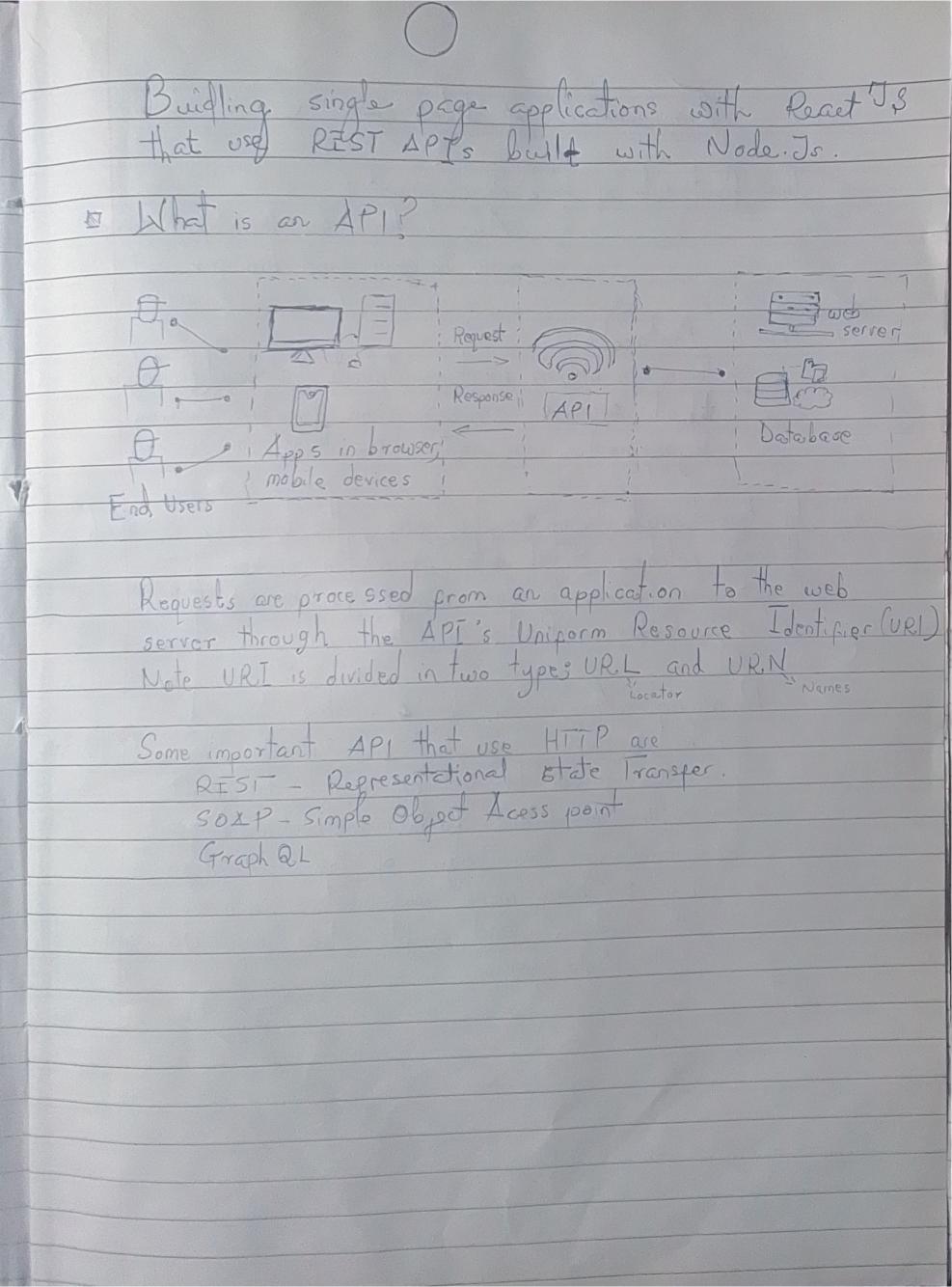
MIROSUGTION WEB DEVELOPMENT



Fundamentals of Deb apps The first rule of Web development:

Always keep the Developer console

open on your web browser HTTP-Protocals

c> These are hidden working details (abstraction layer)

that specifies communication for transmitting

hypermedia documents like HTML. In traditionals web applications the browser is domb
It only retches HTML data from the server
Creating a server is done using: eg: Express, Python
Flask, Ruby on Rails or Java spring Running Application Logic in the browser -> The browser executes a HITP GIFT request Tetches to the server to get an HIMI document -> Within this HIMI further instructions quart completing the Logic of the application by Fetching more documents such as 750N. data and scripts like mainers and CSS style sheets.

Event handlers and callback functions. An event handler is a function that is invoked by an event Listener. Specific event Event handler functions are called callback function The browser invokes the function at an appropriate time when the event has occurred. Document Object Model or DOM The functioning of the browser is based on the idea of depicting Himl elements as a tree The DOM, Is an API that enables programmatic modification of the element trees corresponing to web pages You can manipulate Document object on the console, but is the changes are not sent to the server, reloading the page will revert the changes manipulated.

A stylesheet tranguage which is used to determine the appearance of wab pages. -> boading a page containing Javascript - review. Fig. Sequence diagram of a traditional website GIT https: URL /notes _ HTML document GET main-655 GET main-Js GSS File Javascont Lile The browser starts executing javascript code that fatches the Ison from server GET data ison 1 _ ISON data [& content; :...] The browser executes an event handler to render notes using DOM-API Storms and HTTP POST when you fill a form the Post method is used to send data to the server but this doesn't complete with one HTTP requests there are a series similar to STET method that are triggers when you use POST in order the retnere the

AJAX : Asynchronous Javascript and XMI used to determine Introduced in 2005 allowed the fetching of content using javascript included within the HIML Before this all data were petched using Himz code script - even -Single page App SPS-style websites don't getch all of their pages separately, but instead comprise only one HTML page setched from the server, the contents of which are manipulated with Javascript that executes in the Meaning, it uses a single URL, the javascript supto uplates the page and sends the changes to the server asithout redirecting the page Javascript Fatique Mains there are too many frameworks, tools, libraries that it could be overwhelming to choose Focus of fundamentals. doesn't that are triggered

Besic Remouse. HTML epening tog closing tog class = editor.note ?> 1/9> · You can nest element <P> ... < strong > </trang > Void elements : No wasing content Anotomy of an HTML document < ! doctype html > < html lang = "on -Us" > < head > <meta charset="utf-8"/> < meta name = "viewport" content = "width = device-width"

+ 11</pre> < title> ... </title> </head > < body > 1/body> </html>

655 To link a css file to an HIML3 Open the HIML and within the head element (btn its tags) z link href = "lath " rel = "stylesheet"/> Anatomy of a CSS ruleset 伊> cas Box method T Padding