& Class: No reed to use prototype. class vehide ? constructor (mo, price) { His no = no; Hus-price : price; 3 () soired () { octarn this price; or vehicle 1 = reeo vohicle (2, 300); vehicles. => Vehicle Erro: 2, price: 300? class Expression and Hoisting. - can not call class without new r keyword. does not support hoisting. * Inheritance using dals. cluss cor entends Vehicle {

construtor (nD) {

super (4,300) A His. no; no; var c = new (ar (4).

settle A Promises : , fullfilled, Rejected. 3 steps >> Pending var promiser = new Promise ((resolve, reject) => {}); console log (promise); > Promise { pending} var promiser = new Promise ((resolve, reject)=> { resolve ("resolted"); console log(promise); R. Romise resolve ('resolved'). Then (data > console logidata)) => Promise { fullfilled: " resolved" 4. promise3: new fromise ((resolve, rejed) => { reject ("Error Occured"); console log (promise); >> Promise { rejected > : "Error Occured"} Uncaught To get data (when fullfilled) . then · coatch (when rejected) vor promise = new Promise ((resolve, rejed) => { setTimeout(()>) resolve ({message; *resolved"}); 3,3000), promise . then ((dada) => } fulfilled console log (data); rejected · cosch ((erros) =) } console log (Error', error), 4)

another function f invoked later.

function greet (name, callback); console lag ('Hi \$ [name]'); callback();

function ask Question () {
console. log ('How are you?);

great ('John', askQuestion);

> Hi John

- Callback function takes it time for calculation but execution of of code goes on.

console. log(1);

settimeous (function() { console , log(2) }, (3); console , log(3);

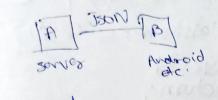
 $\Rightarrow \frac{1}{3}$

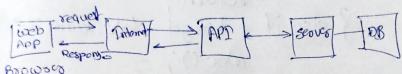
* settimeout 3 Browser api' function not a language function.

event loop: checks call stack whether empty or not, if empty push callboade function into callstack console log (1); settimeout (function) [consolerlage2;3,0; console. log(3) set Timeout Chitime Start Timer C13 timer ends. eall stock check / secrety tusk que . (callbook que) when call stade empty Event LOOP podlback of promises. microtosk que microsask que tres higher prionty the tast que. I Agno Quait Haywords promise. async function buncts () { return "Resolved"; => Promise Ecfulfilled: "Resolve"> fundil). then (data => console. (of data)); > Resolved

_O suspend the function and thrositin mions + await @ wait for palger function to complete 15 more do synchronow code. Con function of Data () { return Promise resolve ('Some Data'); async function about ? const dato = await get Data ?; console log (doda); abc O; console log ("1"); Some Data. * Promise race() returns first resolved promise. MA -> Multiple Page Application. when we dick on any option with link the whole page get reloaded with another HTML page. * SPA > single Page Application: ows link - when we did on any option of API call happens and only required Data gets provided by server other content does not get refreshed. - coches gets stored and we can work even internet losts. - POOR 500.

APP: Two Devices are communications with multiple formats using vory minimilistic resources, one of Hung is APT. APPLICATION PROGRAMMINES Interface.





* Project...

1. what we required.

- UI
- functionality
- Data (types) structure
- functions
- 5. coding.

* Event Delegation,

- Event delegation is basically a pattern

- less - dubant &

to handle events efficiently.

- It simplifies intialization saved memory improve performance.

- By using event delegation, we can add an event listoner to parent dement and call an event on particular target using the "target' property of the overt object

document, add Eventlistenor ('click'),
handleClicks); function handleds(e) (Quest const target = e target, staget it (larget.className === 'acyt) ? xyz(); g else if 1 toroget class Name=== 'abe' abc (); return, Module Patterns: MFE: - Immediately Invoke function Expression. (fundion () { code 3) () ; Adv: Do not occases unnecessory global variables 4 functions, - Fundions 4 variables defined in 1998 do not conflict with other funding voriables even if they have some name. * Reveling module Padleon: var xyz = (function) {

return & authury} 3)() a, fund are available everywhere xy2.9 1xy2.7