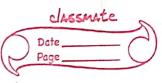
* 13 10	8/04/2023
200	Backend development
, 	interaction.
	Front end Backend
	User adoption and a labella an
	Front end - UI, styling, user is viewing the front end whereas front end is interacting with backend. The brain lies at the backend.
ă.	the front end whereas front end is
-63 7, TUD 1 1	interacting with backend. The brain lies
11 2842	at the backend.
	Cliant con interest control day
	Client server interaction can be done
	Via HTTP request where HTTP is Hyper Text Transfer Protocol where protocol
-	is set of rules.
	100
e^{-1}	raink a dograf (O) and and
	1 Click → OS → default browser
	<u> </u>
	But here browser
	understand I P address,
,	here concept of domain name resolution gives
	the IP address of the
	(Server)
	4 machine on which the
	Website is hosted.
	Now connection is
	established using TCP Via handshake, also
,	Via handshake, also
	encryption is done
	3 way handshake
	Scarnieu wini cd

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	After all the above discussed steps, get
i i i	request is ready.
	Types of request in HTTP
	get 3) post
	put 4) delete
	Juditus
米	The work of get is to fetch.
*	The work of put is to update.
<u>*</u>	The work of post is to submitted to
*	The work of delete is to remove.
- 1	
= 0.7	Express js
	It is a framework to create server side
	application.
	Steps Create a folder & open that folder inside
<u>ع</u>)	the terminal. Write npm init - y to install package json
~)	file
7)	Write npm i express to install node
	modules dolder
4)	modules folder. Create a <u>file named server js</u>
	in the same folder.
	- Summer of all or and some
	Carrier :- Cil
	const express = require ('express');
(1	const app = express ()
	legiver is instantiated
- 10 P	1/3000 bort number
	//3000 port number app. lister (3000, () ⇒ {

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1	console log ("Server started")
	3) j
	Now in terminal write
	node server js
	Dutput
	Server started
	ant many ARNIE
	get request / Route
	app.get ('/', (request, response) = {
	response. Send ("Hello jee");
	This is printed when
	We are an it
	THE STATE OF THE S
	app. post (/api/cors, (req, res) =) {
9.1	
med Si . i,	const Iname, brand 3 = req. body; console log (name);
	Console log (brand);
,	"Con sul
*	Re-run the server.
	go to localhost: 3000/api/cous but this
	see post request.
	Verifying the post request Here we will be using the postman.
	Here we will be using the
	postman.
	go to new → HTTP request → POST request Body → raw → json
	Body + raw + json
	Scarnieu Willi Cari

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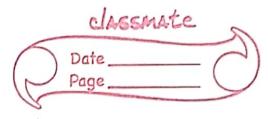


	"name": "DLICR"
	"name": "DLICR", "brand": "Scorpio"
	3
	But here we get an ever due to
	paring issue. For that we need to use
	body Parser
	// Used in post or put.
	const body Parser = require ('body-parser');
	appluse (body Parser json ()) > > Specificially
	parse JSON data & add it to request body
	Object
	Just re-run the server & then submit button
	needs to be clicked in the postman.
1	Moras DB Mober source
•	
	4) This is No-SQL database. It is a type
	of storage in which data can be stored in form of document, key-value pair,
	There is no concept of tables in Mongo DB &
	the scalability is good.
	LANDERS LODE SEVERE LE POLATION
	Here CRUD operations can be done in Mongosh
	Ivia commonds. But we will be using easy
	method such as Mongodb - compass 9t is
	a GUI basically.
	Mongo DB compass
*	Const database
	name & collection names to be written.
	4 cars 4 mahindra

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d	Losmato
Date	
Page	
A	

*	Adding data
	go to documents & then add data and.
	then insert into document . Write
	{
	"name": "DLICR",
	"brand": "Mahindra"
	5
<u>米</u> _	Reading the data
	go to documents & then write inside
- 11	the box of filter write
51	5 ((100000)) • ((5))
	{"name": "DL ICR"3. Click on find
*	Uhdating the date
-	Updating the data
	{"name": "DLIBC" 3 . Click on replace
	CITCK ON YEDIOU.
*	Deleting the data.
	Simply Click the delete icon.
	<u> </u>
<u> Xote</u>	By default mongo DB works on local host:
2 8.	27017.
	Linking of server and database Optimized way of doing this is using
	mongoose.
	ODM + Object Data Madallia
	ODM + Object Data Modelling. ODM provides functionality to server &
	database both.
,	Server \(\rightarrow \) Data Base
	M _a =
	Mongoose Scallieu Willi Cam
	Southiou With Outli



	Steps
<u>I)</u>	npm i mongoose in terminal. const mongoose = require ('mongoose'); moongose.connect ('mongod b://local host:27017/. my Data Base', {
3)	const mongoose = require ('mongoose')
	my Data Base', { mongod b://local host: 27017/
	Use Ne Mullock De
	Use New Url Pariser: true, Use Unified Topology: true
	·then (() => {console.log ("Success") })
	·then (() → {console·log ("Success") }) ·Catch ((error)) → {console·log ("Error") }); ·Promises.

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