Vata Exchange on Web http messages requests Trade | Server Side (compoters) response regrests and Make servers constantly listen to serve resauces available cloud 13 connected Servers Response Status, headers, response data (user) (Server) JJON HTTP Methods Get Post Put Delete

2

Setting up server w/ http module

http. (realiserver (CD =) request, response call back hit after every user request

port > communication endpoint of Server

response end (data, encoding, callbeck)
MUST becalled an each response
4 gives a response to serve back to request

Request Header to give more into about response type withthead (Status, Etheodors 3 write(), then end ()

Send back response Status codes to inform browser of result (inherent in express)

feguest Object and mothed of that object Send back html based on path and send status

to send html, send contents of file not the file itself, serve Manually

You can send any file type, but need to indicate the proper content type

Express Basiles

Express. is a minimal and fluxible node, is nels app framework designed to make not der much faster

app = express (); import express (create server)

app has get/Post/put/deletc/all/use/listen Look for http verbs

get ("/path to what user is trying to access",

Call back () => 3

envoked every time user does get request

all ("/path" callback
res. Status (404). send ("Oh no")
all http verbs

SET UP Server

Const express = require('express');
const app = express();

app. 115ten (5000, ()=> 3 log ('Server 13 W3tening');

Imiddleware

need absolute path when downg sand file need to send all files for index!

X use all files that are starter in public folder

State API us Sever Side Rendering SSR

-3

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-7

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3

1

folder that is use and pulls all statue code for a site to host and serve that content - server does not have to change this content (is/css/etc) Static relative to the server (not to the browser)

Can just use the entire root w/ folder and other files

API -> json, sends data, res.json() SSR -> template, sends templates, res.renderc)

API http interface to interact all ar delta &

that data is sent in join and will return u/ resijourc)
responsible for sending back the data, not using data

JSON Basics eventually , we will use a database to store this data res. , son () gets return data this serves the data and you can get request

Roste Param Query String Param Send html to server page Set up get request for reserved of hirectory path iterase over products to send back specific items Provide/ return specific into at are product route parameters → : product ID (placeholder) 1se product ID strung to get product 11 fetches product w/ ID 1 Set up if statement to catch errors Query String Params (unl params)
Send small bits of info to server voa unl ? query = _ Search for matching data via url query in fetch url / ... / query is the gury route (req. query) to actually grany use? Her add qsp _____ informed grany sent w7 200 blc reserve exists but the grany failed

Middle were

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1

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1

1

in Express) furtherns that execute during request to the server. Each has access to request 15 everywhere in express!

request -> middleware -> response (do Stiff)

get (path, middlewere, callback)
when you work w/ moddlewore, you MUST pass it outs
rest moddlewere wess you are ending w/ ves
hext() or Send()

1) would be nike to include moddlewere furctions from other file
2) wheat if you have a bunch of rates

**Ex method, add moddlewere to any rate

module exports

**Put at the top

app. USI (logger) -> USE logger as moddlewere on all routes

**App. USI (logger) -> apply to any route under API

when base matches USE

Multiple middlewere functions & order matters pass in an array app. use ([logger, auth]);

if auth works, then allow middleware to pass to next ()
query string: if string matches, the pass to next
else, send status error

express middlewere and third party

:id rouse param Express Method verbs get read I post insert! Put update Delete Use these nothods to work w/ data base regume (include) assumes . 15 adding dasa is easy browse does get as detail to read data Post/Msert to dB/Browser USC) adds modelments el post) data requisides logen handled an server parse from data from un > rfname volud > login Javascript parge > See javascript, html 201 for successful post we know how to fost/get but need to parse json express. json () gets response as json post rea from opp and provide content type Postmate Can group request in collections test routes immediately instail of reeding front and to put / Send data -> go to html body and add four data - Put -> eduting the data -> W/ vorte faram
get value in params (reg) and send date in body
req. params -> param sent | req. body has value Polete of user hats rate, we reman from son lot delete w/ id or check of Valu pair exists Get /api/orders (get all orders) / api/orders /: id (get id order)

post /api/orders (send double voa query or povernes

Pet /api/orders / vod Vedate by id

Delek /api/orders 1 vod delete by rd

T

Express Rorder

Make app 15 file less bosy w/ rorder

group rates together and have separate controllers

all rortes are api/people -> lets consolidate them

set up rorter from express

Charge app. -> rorder, middleware)

app. USE ("api/people", require ("./rortes/people"));

use the api/people rorte as a base for the people of file

Clear it up more w/ controllers

create functions w/ logic for rordes

then you can just do

router. rorte("1"). get (get feaple). post (reak Person)

Chain