Type Scrapt Mango CRUD

from Scratch

mpm -init - y

tsc - Init -> set div

npm i - p nodeman, atypes Lexpress, ts-node

mongoose, mangodb, atypes Invargoose

package jsan -> nodeman ./sv/index.ts

Setup Mangodb w/ en comment part & dB

Set up mengodb w/ en, connect part & dB create mengo Schema in js mengoose, model ("VSer")

extend modile in model type

CRUD api Tutorval Server.js fite

Morgo, crease deployement / project. Saved credentuals in txt file Watch guide for Mongo Ob Set up

npm install mongodb Const mongoose = require ("mongoose")

mongoose. con nect ("connection (n1")

& Find secure way of doing this

Connect. Then (gener (3tin), catch lerror)

model > Stores items into dB

product = new mangoose, Schema (2 · - ·
object of Schema (json like)

timestamps created at / updated at

Const Product = mongoose. model ("Product", preduct Schama)
what doesn't sends is in reg. body
Send in body in Postman for Post
Config middleware for this express. Jan C)

API creation

-

3

Save data from post into product model instance now, on post a product is created and then res jsm Post w/ data and oreated at, updated at, -v > prt in dB

get all entries w/async await find § 3 return all products
Find specific by id use gury param :id

Update (PUT)
find product by : id using reg, params
pass id and send new body (reg, body)
recheck from dB

Stricture

index: express, app, mongoose, mongoose URI
require (noutes)
app. USC (; son (), urlencoded false, route includes)
mongosse connect > server listen

routes: express. Rater(), include controller functions router-route, export router

controller? include model type from mengoose, finetions, module, experts finetions.

Type Scrupt

Compiled and casoer to test

ts > compiler > 15 transpilation

puts a matching is transpiled file

Densigure the compiler TSC - invt target the version of JS that is being targetted root dur > current folder out dur > where is will land dist cribitble folder)

Debugging lauch. json and odk lol

Types any, arrays, typles, ...

Dinumber, strung, bool, null, undefined, object

Dany, unknown, never, enum, typle

any 15 generor type

Sometimes there 13 no way to exploritely type Samething, and
as a result, you use the any type

emply declaration benefits from to amotation of type types & plain is away key-value paws param type and return type

2 row used foram /locals / returns in confug ? variable > potentially used param

Objects: declare key and related type pair Type allows for costom types

1

Union type allows for 2 doff input data types

Express W Type Setup Dev w/ typescript > deploy js

Use import instant of require

Med type files for express packages

A A npm i -D @types/express & for type costing TSC -- init Configure compiler NO Implicat Any Strict Null cheeks Configure Scrupt in package "nodeman its" Type Aunotations

Type Aunotations

To does type inferencing reg: Regress. Router: export default router Controllers get Using (types) import from express include firelds from intellisense dTO - data transfer object (Models)

Type Annotating express-seme-static-core

Data Transfer Object/Interface/Class

**Right Click >> type definition

General Is like a template in C++

Res Body, Rea Body

Request < 23 23 Greate User DTO > EXTEND

rea body now extends w/ thus dto

query Param

3 param 3 3 RES 3 3 REQ 3 & Query \$

Response 3 fes Body 3 Using a dB type schema w/ resbody Send back object

interface Extended Params extends Regrest 3
gorams: 3 3

Task Manager Type/Node/Mongo
get folder mit and w/ get
stored in json
Free claud hosting w/ atlas - Config URI
Collections are news of documents
Crease CRUD

Put: Update reserve completely Patch: update port

Middlewere to avoid try/Catch block error handler