Doardo M. Reading a file: 3 databyte en i autil. Read file (flerand Danting a web serven using tho's thin framework · gin. Default() handling a http request. Hat in-built middleworld for logging and steconory we need to store that in-flance in a variable. > @similar to gir. Deput () but It has no middlewates. Now, we can use our webservey to reallow creation of 14th act, Past, etc. requelles trandling endpoints (APIS). webservey. att ("Inone", func (ctx orgin.contex) &log. Print In ("DiHome light") Types will handlen it takes the or request endpoint of context of current context of current request seits made. to Decore 07/12 runt bacrotop ero similari lo tal Il a route successfully exceed query and pass form data Mow, do err: = webserver. Run (Part) the part specified and lider on the

## Understanding Context

The first confusion order amound hardling the context. 80,

Context is a way to hardle information puch as deadlined cancellation and small places of data throwinghout the program.

When working with backerd, user snequests usually involve

Accepting days

first use case of context is here only to handle deadlines of nequests. We don't want requests to be processed forever.

the context and the concelling for Defer this cancel function

that again provides the context and the cancel In.

To simulate a government that cancels the confert from tome compet ("Key", value y cancel U (time: 1) to 0.0 = 3 43/20, sulor use go func () of

To pass data we can use confect's with value of that accepts values to be possed and network the confect context context. To extract data from a context, use context balue ("key) Hata

## Chin's confexed

ain's context is not some as context baucage's confext. IF is more inclined towards handling MTTP sequest It provides several durctions and ways to collect data from MTTP requests, setting and sending restorses, in middlewares and even allows setting new K-v pairs in the context

- routes go 11 specifying the routes stequired L) driver Lightengo mund is stadatab off whole les to the tom nged by on go felder. Stoke the 1 hardleys Latordlers.go 118 miles to controllers US who obsauth eval blood of photology but grows La outh go 11 lists ofthe various for regd. for Author hours of a coolige of show of their of winds of woll Config. go I for handling enors, logs. Info, valid" dotabase 11 for query db do col. grow to the part of the same of the board of the ago of the the db repo go the french senciality of begin so with or rowin at comment Limpolet. 11 for encrypting parting before Hold follow servedel go Hyou defining medels go mod private to analy of the is ) Designity models First of all mory orderlymongs partye should be installed. It is regd them for specifying to Go to model go, file of ype of -id field import mange-drive boom primitive for specifying type of Id. create structures for the mequired models. Part Joygot to add to createst and updated the

## Connecting mogo DO atlasto our ferrer that of all betyp the database in a mongrable attas to be used by our go server. Store the mongrado UR! in the env of englos de confesso 11 of 200) (set up the config. go file to allow error taridling and togging and validaday. It could take been truck earlier but the never too late) Now, in drivergo, unite the code to connect to the mongets for that we need to extract the mongals up from driver go to main por inches in what grades return over only in it can't load the data. Get you destred data using os. Get env ("Mongradh URI"). some time and time so that it does not try to connect then use mongo connect (confect opts) the chert that we purt created though Client (1. Appliful) Return this cirent after feeting that it's working wring client. Pint (ctx, nill. y no error is encountered that we reade in config. go ho by errors. In the main go, we need to eall this count purction of driver go file. But before that we mould set up out the togger and infologies of example tools of the config. go the main go fix. Error logger: = log. New (os. Stabut, " ! log. letarlogs)

Similarly, Infologyer : = log. New 08. 8 polocid, " " log. 4 short file

After that boad Mongou RI from the enville.

Then call the connection function,

Then also calles a disconnect function (which will obviously be deferred) with context. TODO().

Now that connection is established, it is time to start performing CRUD operations. But before that we get up a

performing CRUD operations. But before that we set up a few more files to have smarle control over the oodeball. In abcologo, define a fin user to get the user collection from our detabase. In actipts the mongo elsert that we created and the collection name. After that we'll set up the oquery go bage that will allow set up of GoAppTows (config.go) and the mongo client and it will be used everywhere (I mean whenever use III have to make a regulat to the docabase). For achieving it, we creak a struct as NODB in query go with the Dralnes specified. (They need to be pointers). We'll then define I'm to manipulate the detabase. These functions mould actually be methods of coappos so that all functions have accept to App Took as well as DB client. Then in DBsnepo.go define to an interface with a list of all DB functions like creat Account, verifyuger, etc. This interface creation and Arrest creation may seem to be overwhelming but they are of great use for scalability and modularity purpose. Interface makes sure that any struct implementing all these controllers to a type of interface. this way, if in case, we can switch blu databases without worntry about other ends. Simply create a new Bruch we can select whichever do we want to put data in. only thing to worry is that struct implementing thate duretons how Implement exact the fame functions as the interface ofhorwise the structor won't be considered a type of the interface. With that we get an idea of how useful interface is for sealibility

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