Encryption and verification of parmoords one last thing we need to do to complete tetral of our project is specifying functioner for harring parswords before saving and verification of passwords. We use bought again. (1) Thoras To wood [ ] for hathing, borypt. Generate washing password [[] by the password ord default cost and provides sices of the hathed borrypt. Compare Mash Ad Password C. Horfeltasword. It accepts byte slice of password and the halfred bassword. Then return an L) By fx (hasted orner occurred coodie to one match or so other reatons. So, we use borry to from knotchash And 14 also returns an error. In case, both error. Passond moth, error was due to passuord mishouth, of hoping. Setting Mardleys Confrollers How that we are ready with our for up, we can much forward to softing whow tanders for performing we use the same medular pattern that we used in the query, go file. We again define an abstration called complete with all be a struct containing the configuration in Chance and ab repo interfaces in starte: These two Inegances will bhelp in maintaining modularity. All the controllers will be to resetude of this GoApp Struct. Also, each of these methods will return Quanonymous in el type gin-Handlefune. Now, all thek controllers are alled in API's is onites defined in soutes go fle. This youter go file will the terms a function louter

which will take gin engine () ( we will provide one our ginerouter that we developed in repair go to the and reference of goapp. Then, this function will define all the soutes on this course by specifying cos and calling the specific conforter on the GOADES instance reference. In this file, at first we include the ligger and neasiery middleson by 4. Use (gin logger), gin Recovery () and store it bornewhere and use It as the routen. We will amonalso set up this file to store, the cookies. We'll use gins servious for it. Infall from. Ladain cookie. New state [] byte ("potabb") sate up a new cookk store. With router. Use (sessions destions) sention, audicidada the method directly adds toiddlewares to the souters. Handling Stanup request

the user will provide the necessary details. like name emailed.

Jor sign up. This information will be in son format and can

be accelled using the gin. Confert.

In handler go

Prepare a content method signulo for the usey. In metan, it the gin content. In private the gin content.

First thing to do incide this for wealing a variable of the model's User Struct type. Then bind this User to fre morning context's data warry should Bild 5800, of data to trick data set up uger crock At and user. Update At. calle hash in of an crypt go to enough the password It everything is correct, call the Insent user function

of compts one struct. The well the read to create a method with rank properties in the seather interface and define it in the query file as a method oscertice of as Appell should be seen the post of the properties of as Appell of the sea method oscertical and a method oscertical and as a method oscertical and a metho is been to the of a right of the rest of the store

How Patrobale operations are to be handled in the For sim up we have to use Infortules in of query go. Insertlyer In takes the user data of type model & user and returns to see values -> bool status error handly errors

falle I for regenation buccerty

handle internal 2 for a already exists

permer error horde the Insert user function, create a constant to set thread. To verify wail for consernal formateuring regers must compile ("express" looks them. It return true or false. If the preced.

Now, we need to check if this user already exists for that we first prepare a filter variable (of type 6800. D that the blice cordened 1187) of K+V pairs) with key of halve the query should be known . So, we use use been my type that rejected map. Now y wer's details are not found, we let User (9. DB, "user"). Find one (Ctx, Alter). Decede (& res)

that takes out the collection bon to bon map grabilet of 1000 bes fa for 10. 10,00 for to 2 of ob site ale value la la con continue Loorforg on the eign in more god and a doc matching the credentials. We nake to create just taken after legan so that we users is

authenticated at tell points where authorisation is read: Now have we will set up the author file to trouble two methods — (i) Generate access and Refresh Taken (ii) Very Joken Corente func takes the email is and id and generate rokens for us. Before implementing it, we need to create a struct Coaspelaims with a struct standard extract called Registered and additional fields for email & id of the user. Opening we also need a access /refresh token secret (store the first of the contract of the contract of the country we also need a access /refresh token secret (store). that we want to sign in token and petatokartaccan and the then create inflance of It with Accurate Regimental claims determinent (Here-info. 1s specified like lessuer, 1884ed H and exploy Create first token utry jut. New With Claims (signing method of jut, data storing formed). Signesting (Dbytel receptor) Reform token don't contain those light to just the Jul Degistered Claims And 14 trepol. to be defined. This for return the token and error bo, return the token. Then Parse in its defined that checks the accessions to and returns the data in appellains format. Here the MVP it jut. Porsewith claims (token, & Endly claimal). funcle "not token (interpret d. p. enor) of return [] by telsecretcy), not verify uter and upodge 1/10. Verification will be of email one subjections with the of email updatelists to more interesting. It will take the token and 10 as input on verification, we will get the user some use the id and generate new tokens to provide to update into sunction.

update into sunction.

update various mould be created to set specify the update query. update: = bxon, D & & key: "\$ set", Value: b&on. D& key: "how"
Value: +k. ["+1"] P & who key: "now bken"

Value: +k ["+2"] y) y

-, en := Usu (a. DD " " ) -, en: = Usu (g. DB; "user"). Widate One (ch. filter, whole)

Now in hardler

the Morning from the wer.

Veryful sur with the available envil. Verifyelser with the available errail. - It will give us response Petre out the. Id buting best ponse [" Id"] . [primitive. agreed and Password. Use energht, Veryly (user Password, painword) Then Parse in it defined that charles the accentional and network the data in confections forced. Daniel Alas & respect ) smile of the stall two fi give and son Eurole got tolsen ( interface of to entitle existent erans is entled 11'ou there we the state of some functions trait eron to the people of the state on the state of the