Database Design Document

Lets walk through all the data we need to gather from each and every react page in our frontend, with that first identify what tables do we need.

SignUp

username

email

phone

national_id

password

Login

username

password

Home

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Market

OrderPage

flower name

flower description

flower price (should be per unit)

quantity

total (flower price * quantity)

PaymentPage

flower name

quantity

total

Profile

username

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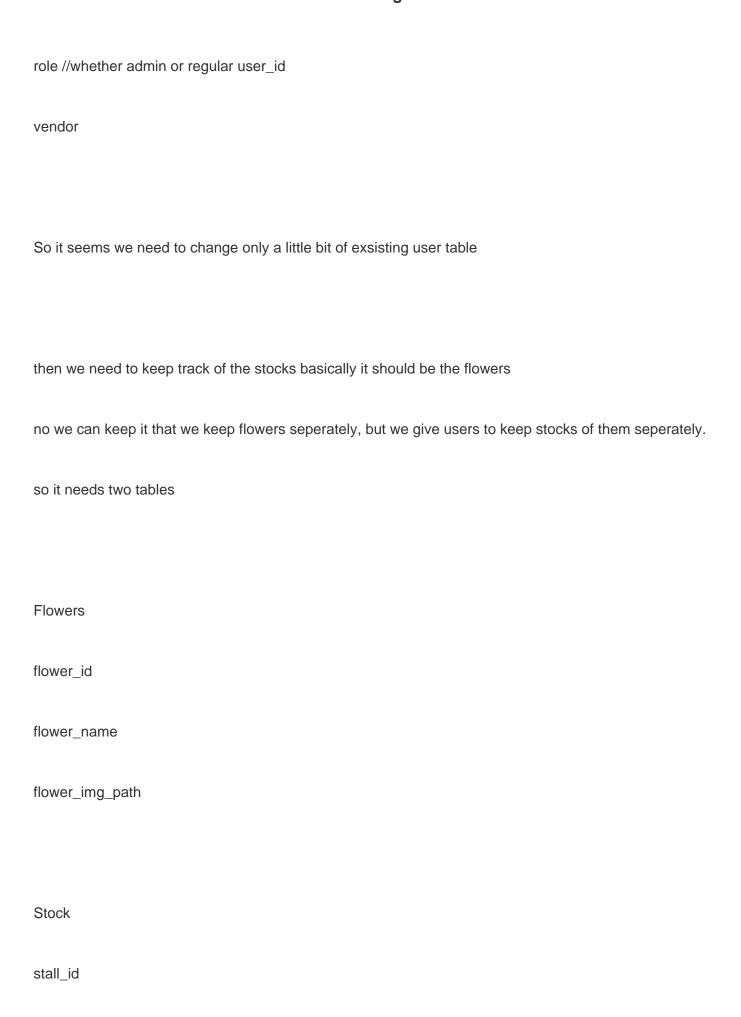
email

phone

nationalID

profile_picture_path

totalEarnings

completedOrders

totalStock

inStock

outOfStock

Flower stocks:

name

price

quantity

Status

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Actions

Order History:

order id

Buyer

total price

Date

Actions

Dashboard

totalEarnings

completedOrders

totalStock

inStock

outOfStock

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StockForm

flowerName

quantity

price

image

Now lets consider the basic tables we need for this. first we need a table for handelling users.

for now for handelling users we have a table. but for future updates we need following users table.

users

user_id

username

password

email

phone

national_id

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role //whether admin or regular user_id

vendor

So it seems we need to change only a little bit of exsisting user table

then we need to keep track of the stocks basically it should be the flowers

no we can keep it that we keep flowers seperately, but we give users to keep stocks of them seperately.

so it needs two tables

Flowers

flower_id

flower_name

flower_img_path

Stock

stall_id

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stock_id

flower_id

price

quantity

created_date

sample_img_path

so we seperate things like this

first under the flowers section. there are by default flower categories.

they are always categorized based on the flower category.

oh a new idea. we can let users create a stall, within the stall they can create stocks.

so above is not valid anymore except for the flower, its must

stall

stall_id

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stall_name

user_id

so first the user sign up

then user login

then redirects to the home

within home it shows everything as it is right now

new stocks, and categories section

also he/she can go to the profile section

there is the button called create stall

when he clicks it it asks for a name for the stall.

Special Note:

whenever a user creates a stall, user table should be identified him as a vendor. so after that it should show different navigation bar to the user with stall dashboard.

then within the stall, user could see the stocks he has. already created under the categories of flowers. there should be new flower stock button. also there should be a option for registering new flower category.

but it should be sent to the admin. then admin should approve it and add it to the categories. unless, only

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predefined categories should be there. there should be a registering flower category option.

then the stock form should ask for the data the table needed as well as a sample photograph. then the stock would be created and under the stalls flowers would be shown in the market space.

now for a regular user the ordering process.

Order

user_id

order_id

stock_id

amount

customer can first send an order request. when a order request is sent they only sent the amount. then it checks from the database if the amount they ask could give from the stock. if yes, customer will redirects to the payment.

if not it should check from the stall for the given flower id, if there any capability of giving the amount asked. if yes, the prices are changed, user should inform about it.

if he/she wish to proceed. if not , order could be cancelled. if yes, same applies. then the payment.

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Payement

order_id

payment_id

payment_amount

then need to look for a payment reciept or something. but for now, this is perfect. see you around kid!!!!!!