

Instructions on

Navigating KV Food Delivery Service via a Local Server

KV FOOD Home Login Logout Signup Your Cart ▾ System Orders ▾ System Queue ▾

The screenshot shows a KV FOOD website interface. At the top, there's a navigation bar with links for KV FOOD, Home, Login, Logout, Signup, Your Cart, System Orders, and System Queue. Below the navigation is a large yellow promotional banner. The banner features the text "SEADAP CHICKEN", "Delicious SUPER FOOD MENU THIS WEEKEND ONLY", "50% OFF", "only \$4.99", and "ORDER NOW". It also includes the phone number 323-517-4946 and the website www.kvfood.com. The banner is set against a background of fried chicken pieces.

What Are You Craving For Today?

1. Start the Server

CD into the directory where you unzipped the file and the following commands in your terminal:

```
go run main.go database.go databaseMaps.go functionhandlers.go  
mainFunctions.go messageTemplates.go rawData.go session.go  
queueManagementWeb.go
```

2. Launch a Client Website

You can use a client such as chrome to access the server at your local address:

localhost:5221

There is no need for a http:// or https:// right in front of the link.

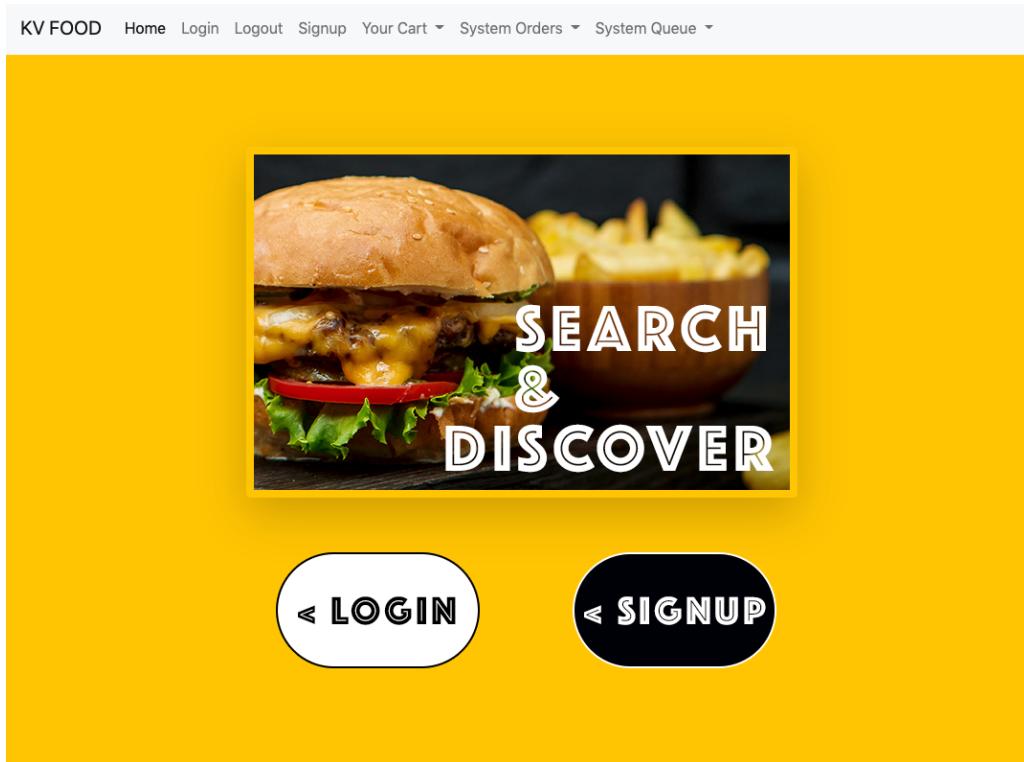
3. You can either start searching or signing up!

On the home page, you can either start searching, or use the login button found on the nav bar.

The screenshot shows the KV FOOD website. At the top, there is a navigation bar with links: KV FOOD, Home, Login, Logout, Signup, Your Cart, System Orders, and System Queue. Below the navigation bar is a large yellow banner featuring a promotional image for "SEAFOOD CHICKEN". The banner text includes "SUPER Delicious FOOD MENU THIS WEEKEND ONLY", "50% OFF", "only \$4.99", and "ORDER NOW" with contact information: 323-517-4946 and www.kvfood.com. In the foreground, there is a white search bar with the placeholder text "What Are You Craving For Today?" and a "Submit" button below it.

4. If you search, you'll get redirected and get greeted with options

Choose sign up, if this is your first time with us. If you don't make any selections, you'll get redirected to the sign up page.



5. Sign up with your preferred information

Please sign up with information that is *accurate*. There are no regex checks except for the email field. Please enter a valid email format such as myemail@email.com

Please submit relevant information on all other fields. *Empty Fields will result in error messages.*



Sign Up Here!

Email address

superuser@superadmin.com

Password

First Name

Alvin

Last Name

Ng

Type of Account

superuser#1

6. Start Searching. Fried Chicken is good!

While the database does not contain all the food items in the world, you can get to test the program out. Search for *fried chicken* . Not **Fried Chicken**. The program only accepts small case letters now.

50%
OFF

only
\$4.99

ORDER NOW

323-517-4946

WWW.KVFOOD.COM

fried chicken wings - wingz - ang mo kio st 52

1

Add to Cart

Didn't find what you want? How 'bout searching for it again?

7. Change quantity and Add to Cart

Want just one quantity? If not, you can change it by entering different values; or hover your mouse over it and use the arrows to change the values. Once you're ready, hit the "Add to Cart" button.

The screenshot shows the KV FOOD mobile application. At the top, there is a navigation bar with links: KV FOOD, Home, Login, Logout, Signup, Your Cart (with a dropdown arrow), System Orders (with a dropdown arrow), and System Queue (with a dropdown arrow). A dropdown menu is open over the 'Your Cart' link, showing two options: 'View Your Cart' and 'Clear Shopping Cart'. Below the navigation bar is a large yellow banner featuring a pizza and the text 'HAPPY FOOD HAPPY MOOD'. The main content area is titled 'Your Cart'. It displays a single item: 'fried chicken wings - wingz - ang mo kio st 52'. The quantity is set to '2' in a text input field, with a 'Update' button next to it. Below this, the 'Unit Cost' is listed as '\$17.5' and the 'Total Cost' as '\$35'. There is a note: 'Enter Priority Index Number here if the order is for service recovery' with a text input field containing 'Priority Index Value: 0-99'. At the bottom right of the cart area is a 'Checkout' button.

8. Like what you selected? No?

Don't like what you selected? What about clearing your cart? Or emptying your shopping cart? It's just one click away. Find it at the top nav bar as shown in the picture. Or perhaps you've changed your mind regarding the quantity.

You can try increasing, decreasing or even setting the quantity to 0. Just remember to hit the enter button or press the Update button. Warning: (you'll be greeted with a sad face if your cart is empty)

9. Superuser#1 is really super in the app

With admin privileges, superuser#1, your account type has access to menus that other account types do not have. You can demonstrate your authority by keying in a priority value. Be sure you have at least 1 item in your cart.

A priority value is a value that is used for service recovery orders. For example, there's

a super angry customer because the previous rider somehow messed up. This angry customer cannot wait for his food to come in the next 1 hour while the merchant serves other orders first. A quick service recovery means the new order you are going to put through has to **jump the queue**.

Good thing it's easy to set right here.

Go ahead and set the priority value to 99 and press the "Checkout" button

KV FOOD Home Login Logout Signup Your Cart ▾ System Orders ▾ System Queue ▾



Your Cart

Food Name	Quantity
fried chicken wings - wingz - ang mo kio st 52	<input type="text" value="2"/> <button>Update</button>
Unit Cost	\$17.5
Total Cost	\$35
Enter Priority Index Number here if the order is for service recovery	
<input type="text" value="99"/>	
<button>Checkout</button>	

10. Checkout is successful!

If your checkout is successful, you'll be greeted with your checked-out goods. Your order number, your food name, the quantity and the total amount you paid.

The screenshot shows a yellow-themed website for 'KV FOOD'. At the top, there's a navigation bar with links: KV FOOD, Home, Login, Logout, Signup, Your Cart (with a dropdown arrow), System Orders (with a dropdown arrow), and System Queue (with a dropdown arrow). Below the navigation is a large yellow area containing a black and white graphic with the text 'THANK YOU' at the top, 'MUCHAS' in the middle, and 'GRACIAS' at the bottom. Underneath this graphic, the text 'Here are your Order(s) with Us:' is displayed. The order details are listed in a table:

System Order Number
OS500KV-MC0KV
Food Name:
fried chicken wings - wingz - ang mo kio st 52
Unit Cost
\$17.5
Quantity
2
Total Price
\$35

At the bottom right of the yellow area is a dark button labeled 'Home'.

11. Rinse and Repeat to add more items into your cart.

You can search for other food items in the search bar.

Popular search items include *ice cream*, *mala xiang guo* and *hokkien mee*

We will **checkout** ice cream, and enter a priority value of : **55**

We will **checkout** mala, and enter a priority value of : **25**

We will **checkout** hokkien mee, and enter a priority value of : **100**

Your Cart

Food Name

ice cream sandwich - citrus by the pool - woodlands hub

Unit Cost

Total Cost

Quantity**Update**

\$5.2

\$5.2

Enter Priority Index Number here if the order is for service recovery

Checkout

Your Cart

Food Name

mala xiang guo - crazy mlxg - ang mo kio st 52

Unit Cost

Total Cost

Quantity**Update**

\$3.5

\$14

Enter Priority Index Number here if the order is for service recovery

Checkout

Your Cart

Food Name

hokkien mee - la pizzaiola - yio chu kang st 21

Unit Cost

Total Cost

Quantity**Update**

\$15.5

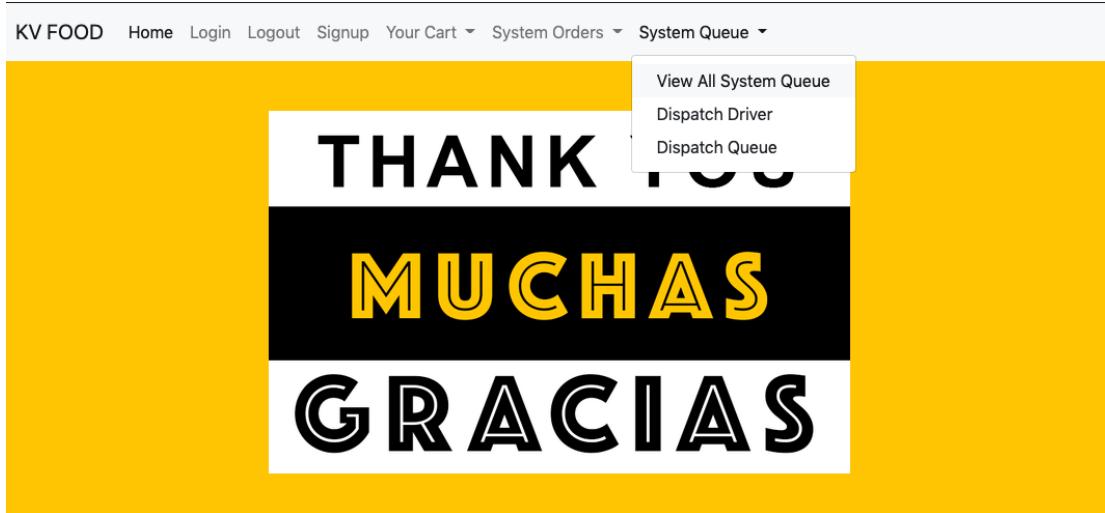
\$31

Enter Priority Index Number here if the order is for service recovery

Checkout

12. Check System Queue!

We checked out hokkien mee last so it should be the last order to be processed. You're about to be in for a surprise! Hover your mouse over System Queue and click "View All System Queue"



13. Priority Value Is working!

Even though we checked out hokkien mee last, do you remember that we gave it a priority value of 100? And since 100 is more than 99, the hokkien mee order number in the system, OS503 is above OS500KV!

And since OS501 has a priority value of 55 and 55 less than 99, OS501 is right behind OS500KV. Similarly, OS502KV that has a priority value of 25 and since 25 is less than 55, it's right behind OS502KV

All System Queues

OS503KV

Priority Number:

Order Tagged to:

Associated Transactions

100

superuser@superadmin.com

MC3KV

No Drivers dispatched for this order. Please dispatch!
[Menu: System Queue/ Dispatch Driver]

OS500KV

Priority Number:

Order Tagged to:

Associated Transactions

99

superuser@superadmin.com

MC0KV

No Drivers dispatched for this order. Please dispatch!
[Menu: System Queue/ Dispatch Driver]

OS501KV

Priority Number:

Order Tagged to:

Associated Transactions

55

superuser@superadmin.com

MC1KV

No Drivers dispatched for this order. Please dispatch!
[Menu: System Queue/ Dispatch Driver]

OS502KV

Priority Number:

Order Tagged to:

Associated Transactions

25

superuser@superadmin.com

MC2KV

No Drivers dispatched for this order. Please dispatch!
[Menu: System Queue/ Dispatch Driver]

14. Manual Driver Assignment

While automatic driver assignment would be great; it's not integrated in the system just yet! So we'll have to manually do it. Head over to the System Queue Menu again and choose "Dispatch Driver"



15. Every order needs a driver partner name

You can give them any names you like. Remember to click the "Update Driver" button to ensure data gets saved in the system. All the orders should have a delivery driver name! So go ahead and update them all for OS503KV, OS500KV, OS501KV & OS502KV.

OS503KV

Priority Number:

100

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC3KV

Please Update with Driver Name:

Update Driver

OS500KV

Priority Number:

99

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC0KV

Please Update with Driver Name:

Update Driver

OS501KV

Priority Number:

55

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC1KV

Please Update with Driver Name:

Update Driver

OS502KV

Priority Number:

25

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC2KV

Please Update with Driver Name:

Update Driver

OS503KV**Priority Number:**

100

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC3KV

Delivery Assigned to KV Rider Partner:

Delivery Driver ID: john

OS500KV**Priority Number:**

99

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC0KV

Delivery Assigned to KV Rider Partner:

Delivery Driver ID: alex

OS501KV**Priority Number:**

55

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC1KV

Delivery Assigned to KV Rider Partner:

Delivery Driver ID: roger

OS502KV**Priority Number:**

25

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC2KV

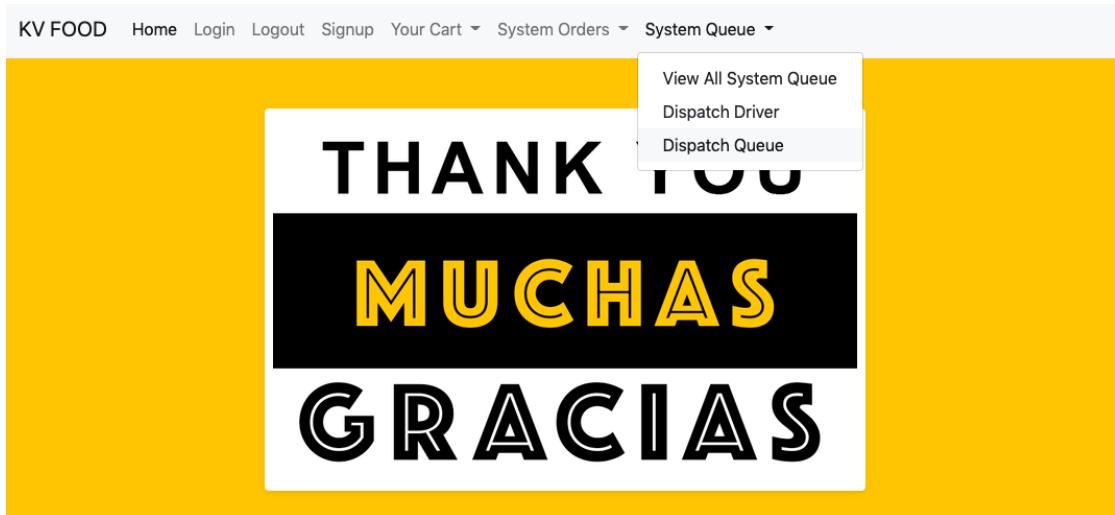
Delivery Assigned to KV Rider Partner:

Delivery Driver ID: xiaoming

16. Ready, Get Set, Go!

Orders placed, drivers assigned, system is a GO!!

Dispatch is the last step. You can view the "Dispatch Queue" from the same System Queue menu.



17. Dispatch, dispatch, dispatch

As soon as an order is **dispatched**, KV's Rider Partner should receive a notification on their device. In this case, OS503KV should be assigned to Rider Partner, with ID "john"

Dispatch can only happen on the top most order; this ensures that the orders meant for service recovery can be treated as such. If you like, you can dispatch all the orders, one at a time. Everytime you dispatch a system order, the page refreshes and the system order immediately disappears from the queue.

All System Queues

Please ensure drivers are dispatched for system orders before dispatching for queue.

Orders on the top of the list are the first to be dispatched.

[Dispatch OS503KV](#)

OS503KV

Priority Number:

100

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC3KV

Delivery Driver ID: john

OS500KV

Priority Number:

99

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC0KV

Delivery Driver ID: alex

OS501KV

Priority Number:

55

Order Tagged to:

superuser@superadmin.com

Associated Transactions

MC1KV

Delivery Driver ID: roger

OS502KV

Priority Number:

25

Order Tagged to:

superuser@superadmin.com

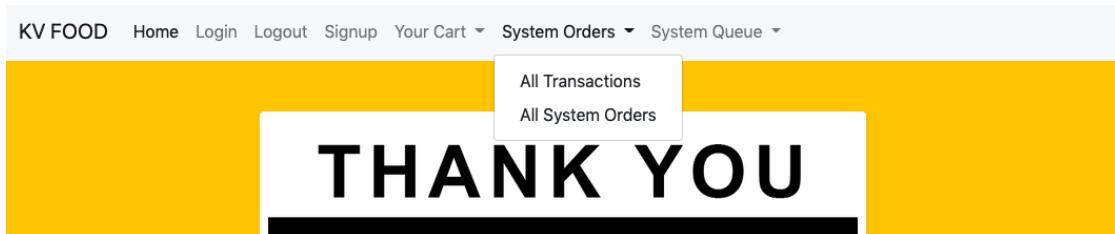
Associated Transactions

MC2KV

Delivery Driver ID: xiaoming

18. Track All Other Information

Because you're superuser#1, you can retrieve other important information regarding the business! Feel free to Browse All Transactions as well as All System Orders



All Transactions logged onto KV Food Delivery System:

Here are all the transactions on KV Food Delivery:

Transactions

MC0KV

Transaction Tagged to:

Dish Name:

Total Quantity Ordered:

Unit Price of Dish:

Total Cost of Transaction

Time of Transaction

MC1KV

Transaction Tagged to:

Dish Name:

Total Quantity Ordered:

Unit Price of Dish:

Total Cost of Transaction

Time of Transaction

MC2KV

Transaction Tagged to:

Dish Name:

Total Quantity Ordered:

Unit Price of Dish:

Total Cost of Transaction

Time of Transaction

MC3KV

Transaction Tagged to:

Dish Name:

Total Quantity Ordered:

Unit Price of Dish:

Total Cost of Transaction

Time of Transaction

Database

superuser@superadmin.com

fried chicken wings - wingz - ang mo kio st 52

1

17.5

17.5

21:03:06 UTC, Apr 04, 2021

superuser@superadmin.com

ice cream sandwich - citrus by the pool - woodlands hub

1

5.2

5.2

21:03:30 UTC, Apr 04, 2021

superuser@superadmin.com

mala xiang guo - crazy mlxg - ang mo kio st 52

4

3.5

14

21:05:54 UTC, Apr 04, 2021

superuser@superadmin.com

hokkien mee - la pizzaiola - yio chu kang st 21

1

15.5

15.5

21:06:18 UTC, Apr 04, 2021

[Home](#)

All System Transactions logged onto KV Food Delivery System:

Here are all the system queues on KV Food Delivery:

System Queue Number	Transaction ID
OS500KV	
Associated Transaction Number	MC0KV
Order Tagged to User:	superuser@superadmin.com
User Account Type:	superuser#1
Order Priority Index:	99
OS501KV	
Associated Transaction Number	MC1KV
Order Tagged to User:	superuser@superadmin.com
User Account Type:	superuser#1
Order Priority Index:	55
OS502KV	
Associated Transaction Number	MC2KV
Order Tagged to User:	superuser@superadmin.com
User Account Type:	superuser#1
Order Priority Index:	25
OS503KV	
Associated Transaction Number	MC3KV
Order Tagged to User:	superuser@superadmin.com
User Account Type:	superuser#1
Order Priority Index:	100

[Home](#)

19. Bonus.

Sign up for an account that is of **user** type instead of superuser and try to do what you've done in this instructions guide.

If you get redirected and shown an empty plate; you know that you don't have access privileges. :)

Choose 'user' type to sign up for a normal account with no superuser#1 privileges

Sign Up Here!

Email address
normaluser@normaluser.com

Password

First Name
normal

Last Name
user

Type of Account

- ✓ superuser#1
- Customer Service Officer
- Dispatch Supervisor
- Delivery Partner
- user**

In your cart, you no longer can input priority values.

Your Cart

Food Name	Quantity	
char kway teow - tampnes char kway teow - ang mo kio st 52	<input type="text" value="1"/>	<input type="button" value="Update"/>
Unit Cost	\$3.5	
Total Cost	\$3.5	

Trying to access top level system menu options are also no longer allowed. You'll be greeted with our 404 and redirected in seconds.



Redirecting you back to discovering great food in a few seconds ... click [here](#) if you can't wait.

This marks the end of the instructions manual. We hope you've enjoyed trying and using the web app as much as I've learnt and spending the time building it.