

Github Link: <https://github.com/dvrshi/akasa-food>

Deployment Link: <https://akasa-food.vercel.app/>

Demo Video: 📺 Akasa Foods.mp4

Note: While using the hosted website, there may be a little delay experienced in loading cart history and order history or while signing in and out, kindly ignore it.

Frameworks/Tech Stack used:

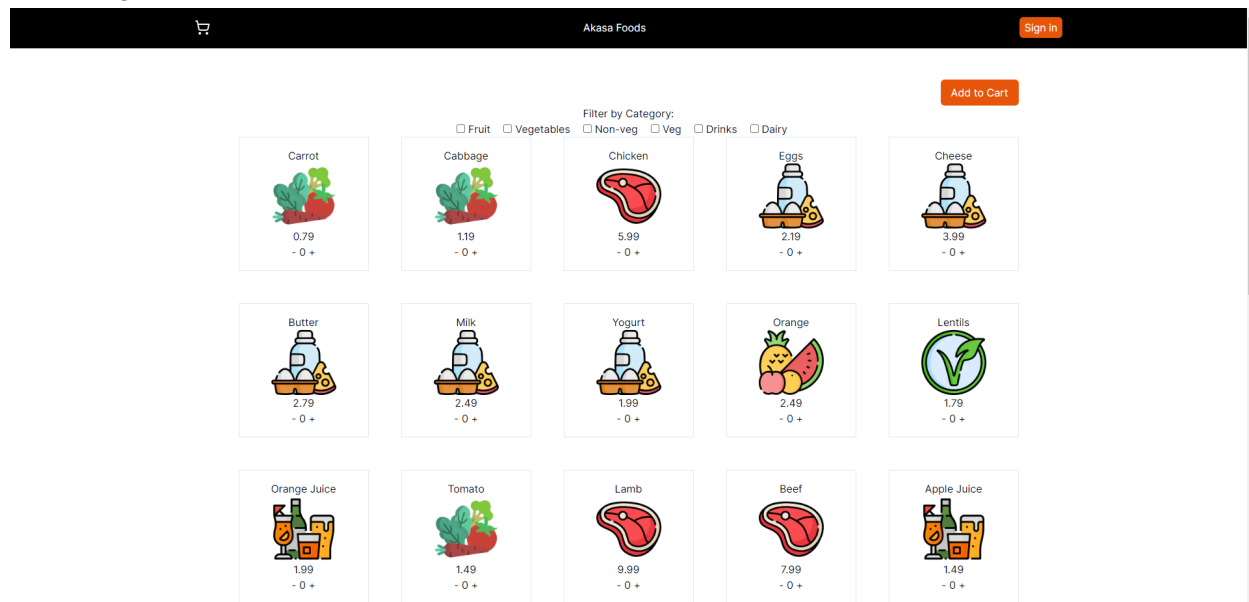
- NextJS and Vercel for website deployment
- TailwindCSS for styling
- Prisma for connecting PostgreSQL to the webapp
- Supabase for accessing the database
- NextAuth for user authentication
- Shadcn for UI components
- Zod for implementing user registration validation

Steps to install the code base:

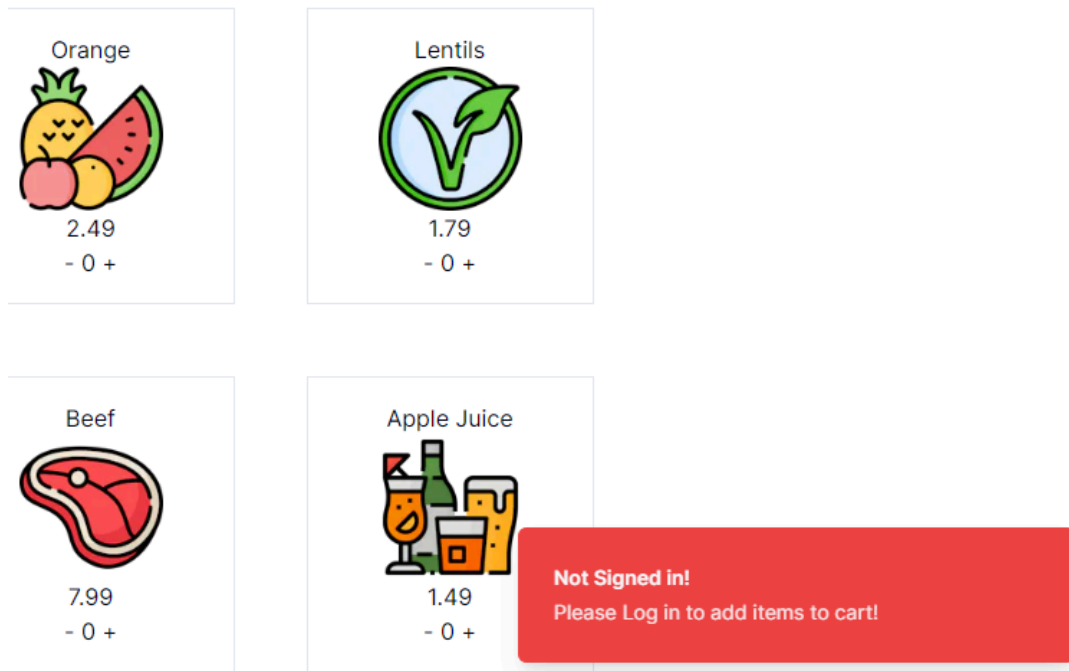
1. Download the github repository from the link, and run 'npm install' in the terminal to install all the required libraries.
2. Then, use the command 'npm run dev' to open up the website using localhost.

Website Details:

Homepage:



- This is the default homepage for the website, although it shows the menu and add to cart option you would need to log in first to save the cart.



- Session functionality has been implemented so that there can be a track of the user and then only can the cart be saved after successful login.

Email

Password

Sign in

If you don't have an account, please [Sign up](#)

Username

Email

Password

Re-Enter your password

Sign up

If you have an account, please [Sign in](#)

- Separate sign in and sign up pages have been created. I have used zod to check if email id is valid, the password matches the required length and if the password and confirm password fields match.

The database schema is as follows:

```
model User {
  id      Int      @id @default(autoincrement())
  email   String   @unique
  username String   @unique
  password String
  createdAt DateTime @default(now())
  updatedAt DateTime @updatedAt
  cart    Json
  orders  Json[]   @default([])
}

model Items {
  id          Int      @id @default(autoincrement())
  name        String
  category    String
  price       Float
  stockQuantity Int
}
```

There are two tables created, first to store the user details and second to store the inventory.

Hey! dvrshi

Order History

Order ID: 700532

Item	Price	Quantity
Mango	\$2.99	2
Watermelon	\$5.99	3
Total		\$23.95

Status: Out for delivery.

Order ID: 192836

Item	Price	Quantity
Strawberry	\$4.99	2
Soda	\$0.99	2
Total		\$11.96

Status: Out for delivery.

Cart Items


Item	Quantity	Price	Total Price
Chicken	2	\$5.99	\$11.98
Eggs	2	\$2.19	\$4.38
Total Price: \$16.36			
Place Order			

We can see the current cart and order history on the website by clicking on the shopping cart icon in the navigation bar.

- All edge cases have been taken care of, users cannot order any items that are out of stock.
- We can log in from multiple devices.
- We can also save the cart from one device and view cart/place order on another device. Which was possible through session management.
- If between the time a user saves the cart and places the order, an item goes out of stock, then also the user is notified of the item and if it is there in the inventory in limited quantities.
- If two users order at almost the same time, if the inventory then becomes low or empty after one of them orders, then the other user will not be able to place the order.
- The filter buttons also work seamlessly, while browsing the menu page.
- There has also been a separate feature provided to restock the inventory database, use the email 'admin@gmail.com' and the password 'asdfasdf' to login. Then click on the shopping cart button and click the restock button. This will send an api call to the database and thus restocking the inventory.
- Incase first time visiting the website, click in SignIn button and then open the Signup form to create an account.
- Email and username will be unique to all users and also a basic password strength checker has been implemented.
- Checks have been implemented so that users do not order out of stock items.

- 0 +

Apple Juice



1.49

- 0 +

Out of Stock!

Chicken Count: 10 are less than/out of stock!

- There are separate API calls for updating the user table, for user creation, saving cart history, reading cart history, saving and reading order history. These can be seen inside the 'api' folder inside the source code directory.

```

src > app > api > cart_push > JS route.js > ...
1  import { db } from "@lib/db"
2  import { NextResponse } from "next/server";
3
4  export async function POST(req) {
5      try {
6          const body = await req.json();
7          const isOrder = body.cartData.placingOrder;
8          const email = body.cartData.email;
9          // console.log(body.cartData);
10         if (!isOrder) {
11             const items = body.cartData.items;
12             const updatedUser = await db.user.update({
13                 where: {
14                     email: email
15                 },
16                 data: {
17                     cart: items
18                 }
19             });
20             if (!updatedUser) {
21                 console.log("User not found!");
22                 return NextResponse.json({ message: "User not found!", status: 404 });
23             }
24             return NextResponse.json({ message: "Cart Updated!", status: 200 });
25         }
26         if (isOrder) {
27             const items = body.cartData.data.items;
28             const id = body.cartData.data.id;
29             const order = {
30                 id: id,
31                 items: items
32             }
33             const updatedUser = await db.user.update({
34                 where: {
35                     email: email
36                 },
37                 data: {

```

- Through Implementation of session tokens, the unauthorized usage has been prevented

```
1
2 import { authOptions } from '@lib/auth';
3 import { getServerSession } from 'next-auth';
4 import LoadCartData from '@app/(dashboard)/user/LoadCartData.jsx';
5 import LoadOrderHistory from '@app/(dashboard)/user/LoadOrderHistory.jsx';
6 import ResetInventory from '@app/(dashboard)/user/ResetInventory.jsx';
7 async function page() {
8
9     const session = await getServerSession(authOptions);
10    // console.log(session);
11    if (session?.user.username === 'admin')
12        return (
13            <div>
14                <ResetInventory session={session} />
15            </div>
16        );
17    if (session?.user)
18        return (
19            <div className='w-full text-center'>
20                Hey! {session?.user.username}
21                <div className='flex justify-between'>
22                    <div style={{ marginLeft: '25rem' }}>
23                        <LoadOrderHistory session={session} />
24                    </div>
25                    <div style={{ marginRight: '25rem' }}>
26                        <LoadCartData session={session} />
27                    </div>
28                </div>
29            </div>
30        )
31    return (
32        <div>Please login</div>
33    );
34 }
35
36
37 export default page;
38
```

Please look at the source code for specific implementation details.