FIAVOIR

FLAVOUR FUSION



Flavour Fusion elimates time and hassle when looking for your next meal. Fuse ingredients together to be presented with what you are already craving.

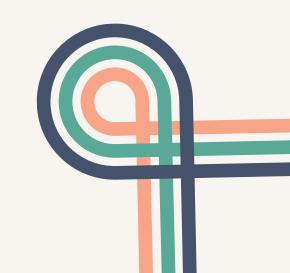
You will be able to create an account, add to your own personal cart, and add to your own personal fuse list.

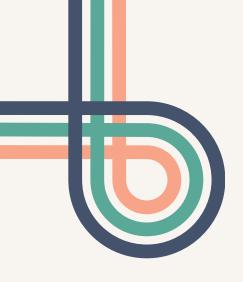
PROCESS: FIREBASE



• Firebase is a backend as a service platform that allows users to more easily create high security user authentication and account creation.

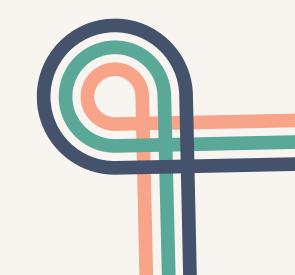
• Firebase also allows for easy database implementation to store data





INITIALIZE FIREBASE

```
// Initialize Firebase
const app = initializeApp(firebaseConfig);
const analytics = getAnalytics(app);
const auth = getAuth(app);
const db = getFirestore(app);
```

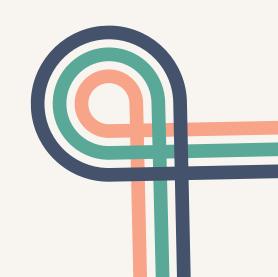


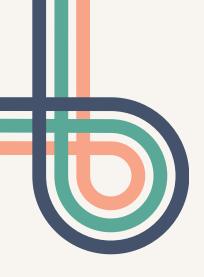




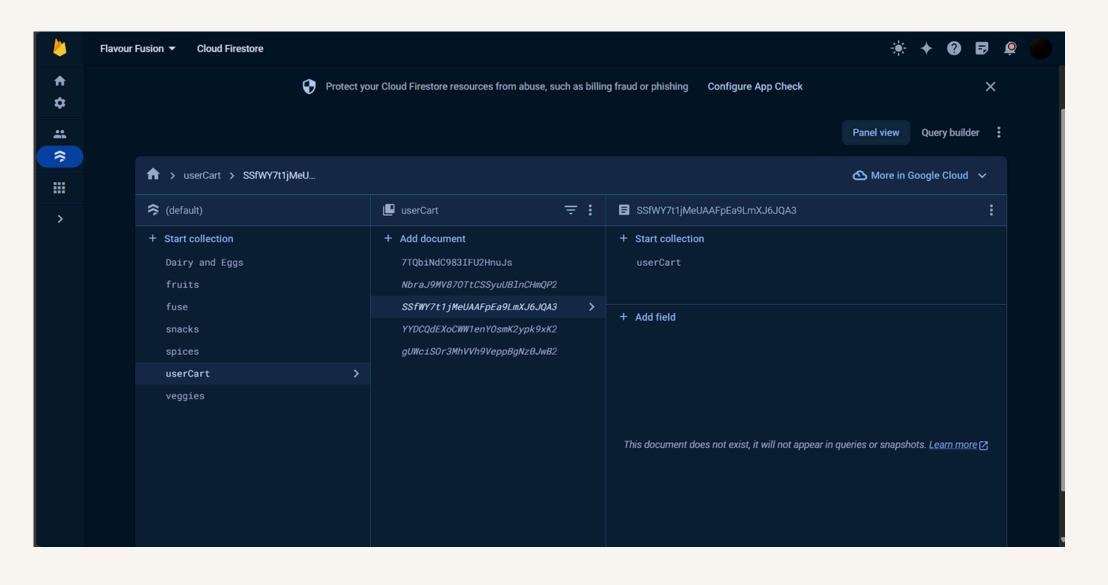
PROCESS

• Adding to the database is very simple.

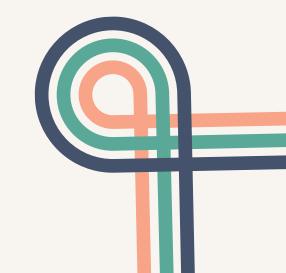




FIRESTORE



• Firestore is a real time database that allows us to quickly make updates to data and organize it



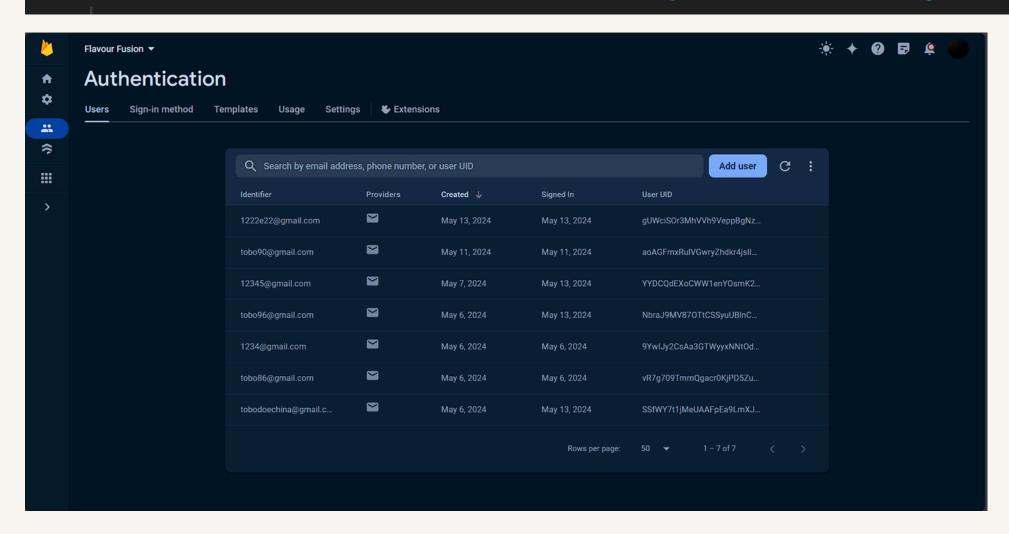




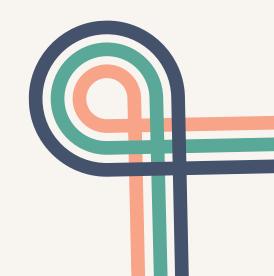
AUTHENTICATION

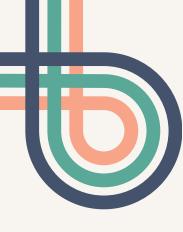
// Sign up user

createUserWithEmailAndPassword(auth, email, password)



• Firebase stores all created users for easy and secure authentication.

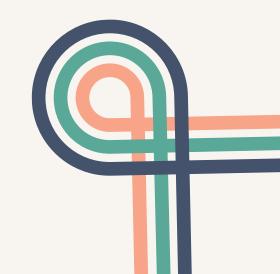




XML DATA

```
ood category ="fruits">
   <name>Apples</name>
   <price>$2.50</price>
</food>
<food category="fruits">
   <name>Pineapple</name>
   <price>$3.99</price>
</food>
<food category="fruits">
   <name>Grapes</name>
   <price>$3.99</price>
<food category="fruits">
   <name>Strawberry</name>
   <price>$4.99</price>
</food>
<food category="veggies">
    <name>Romaine Lettuce Hearts</n
    <price>5.99</price>
</food>
<food category="veggies">
    <name>Iceberg Lettuce
    <price>2.99</price>
</food>
<food category="veggies">
    <name>English Cucumber
    <price>3.99</price>
</food>
<food category="veggies">
    <name>Baby-Cut Carrots
    <price>1.99</price>
</food>
<food category="spice">
   <name>Chinese Five Spice</name>
   <price>$1.99</price>
```

XML file that keeps track of all products

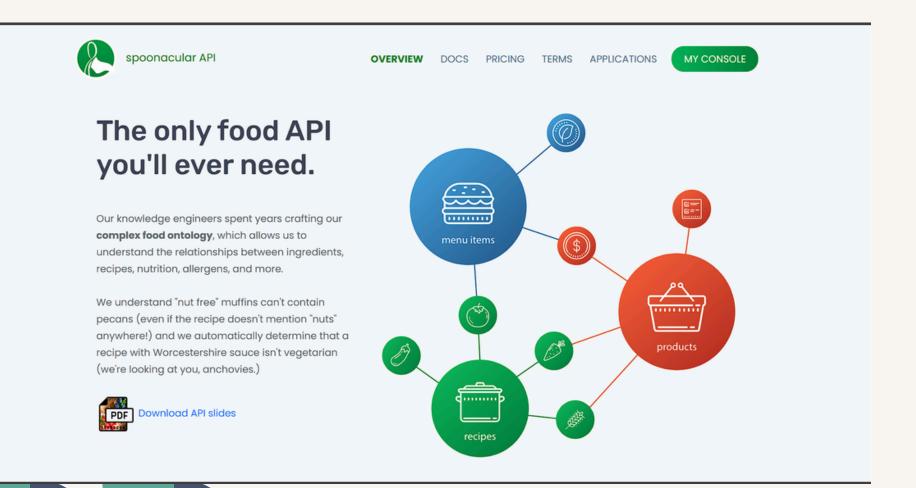




RECIPE API

- I used an API that can generate recipes and implemented it into my website
- https://spoonacular.com/foodapi

 With the fuse button and this API you can generate recipes easily



```
// Perform the API call
try {
    console.log(apiUrl);

    const response = await fetch(apiUrl);
    if (response.ok) {
        const recipes = await response.json();
        // Handle the retrieved recipes
        console.log(recipes);
        if (recipes.length > 0) {
            displayRecipes(recipes); // Display the first recipe in the random_recipe div
        } else {
            displayRecipe(null); // Display a message if no recipes are found
        }
    } else {
        console.error('Failed to fetch recipes:', response.statusText);
    }
} catch (error) {
    console.error('Error fetching recipes:', error);
}
```



CHECKOUT

```
const userCartRef = collection(db, 'userCart', userId, 'userCart');
const snapshot = await getDocs(userCartRef);
const cartData = [];
snapshot.forEach(doc => {
        const item = doc.data();
        item.itemId = doc.id;
        console.log(item.itemId); // Add the document ID as itemId
        cartData.push(item);
});
return cartData;
} catch (error) {
    console.error("Error fetching user's cart data:", error);
    return [];
}
```

• I collect cart data from Firestore using this method

Your Cart Price 2.5 **Apples** Chinese Five Spice 1.99 3.99 Eggs Garlic Powder 6.99 Grapes 3.99 Pineapple 3.99 Total: \$23.45 Purchase

• The price is updated once the data loads to prevent it from staying at \$0

