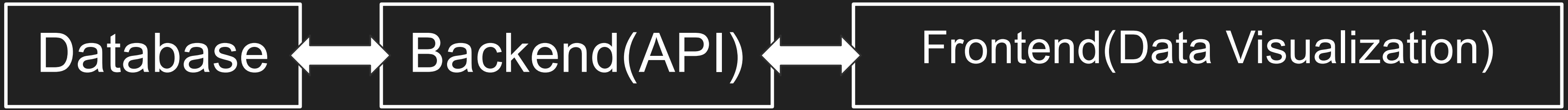
Fast Food Dieter

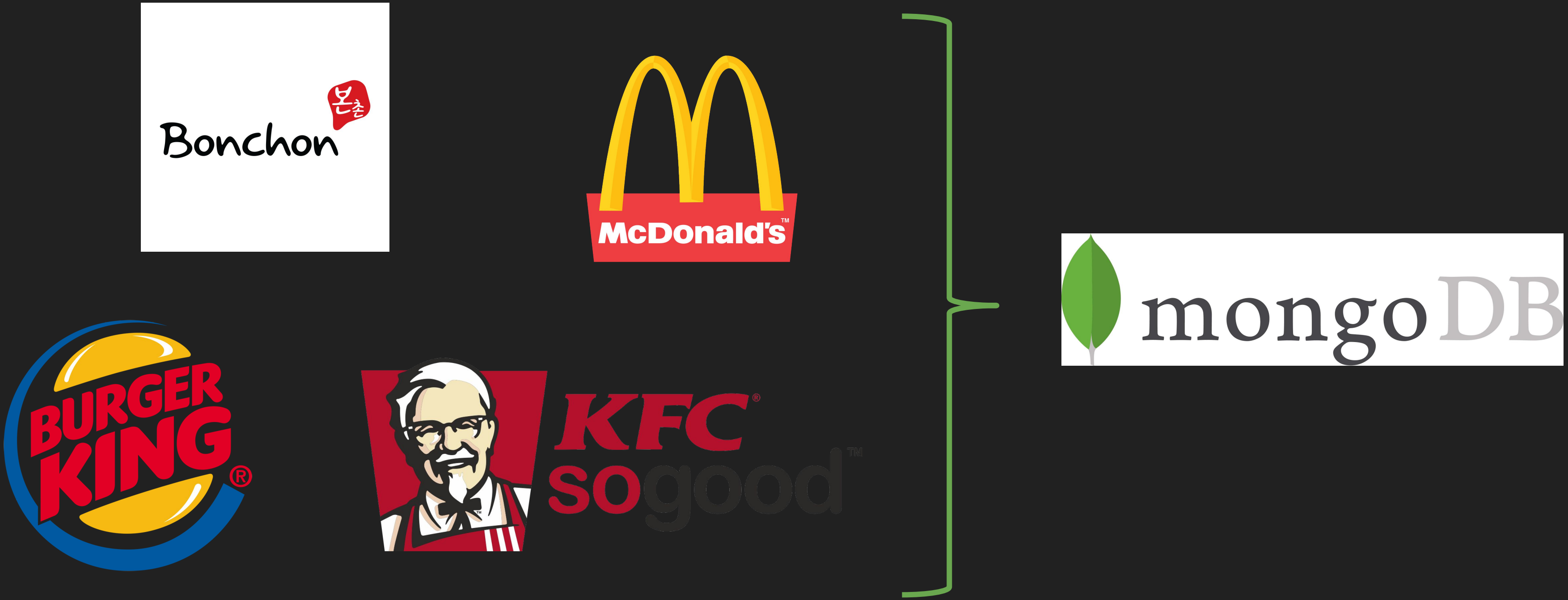
Your new diet guide solution

Motivation

Architecture

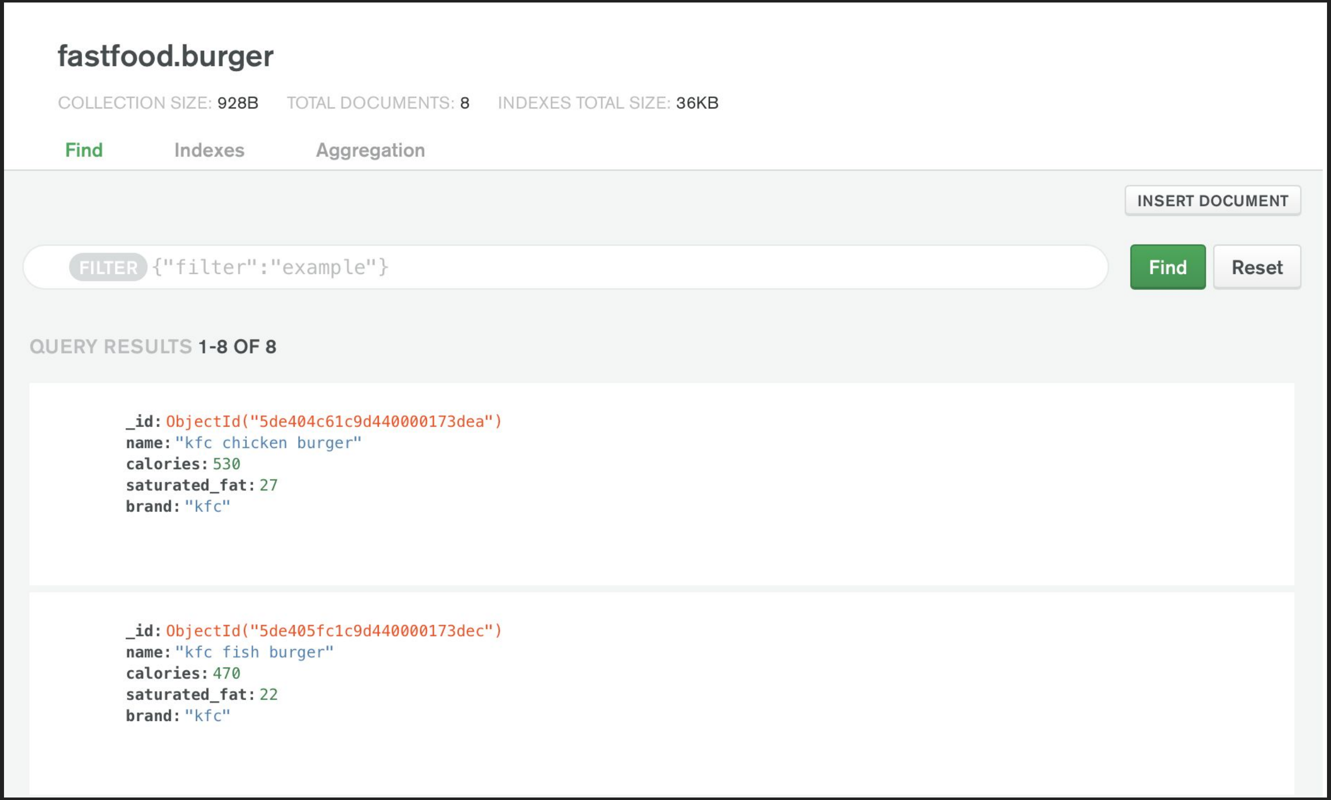


Datasource and Data Acquiring Methodology



Database

- The simplicity of NoSQL gives flexibility in table structure which reduces time in designing the database.



fastfood.burger

COLLECTION SIZE: 928B TOTAL DOCUMENTS: 8 INDEXES TOTAL SIZE: 36KB

```
{"filter":"example"}
```

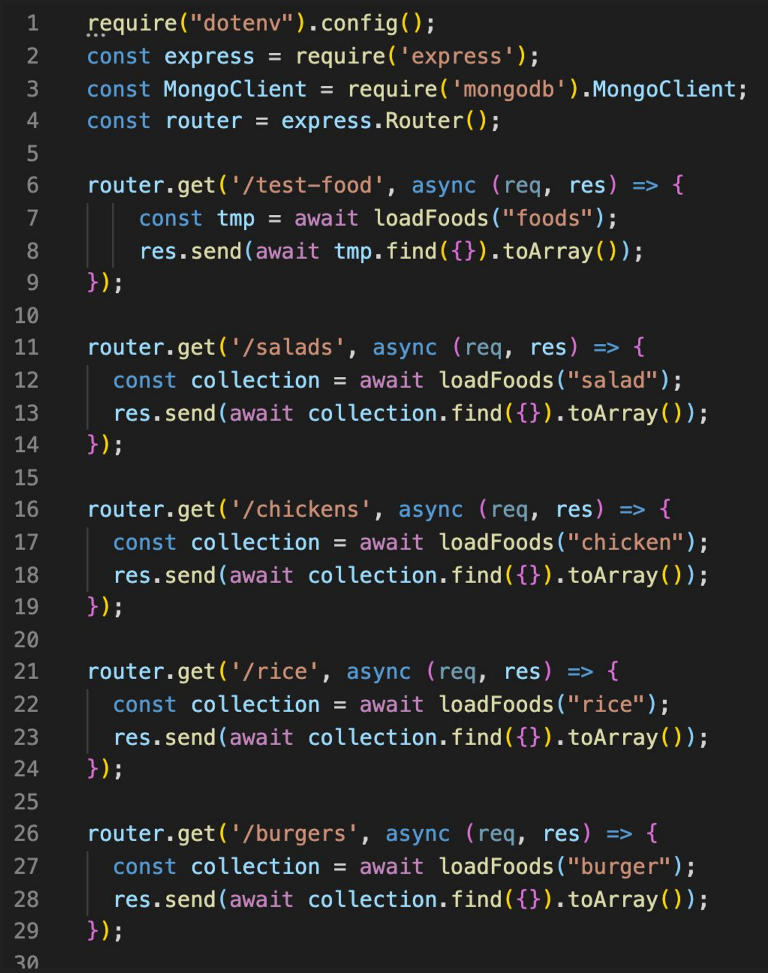
QUERY RESULTS 1-8 OF 8

```
_id: ObjectId("5de404c61c9d440000173dea")
name: "kfc chicken burger"
calories: 530
saturated_fat: 27
brand: "kfc"
```

```
_id: ObjectId("5de405fc1c9d440000173dec")
name: "kfc fish burger"
calories: 470
saturated_fat: 22
brand: "kfc"
```

API

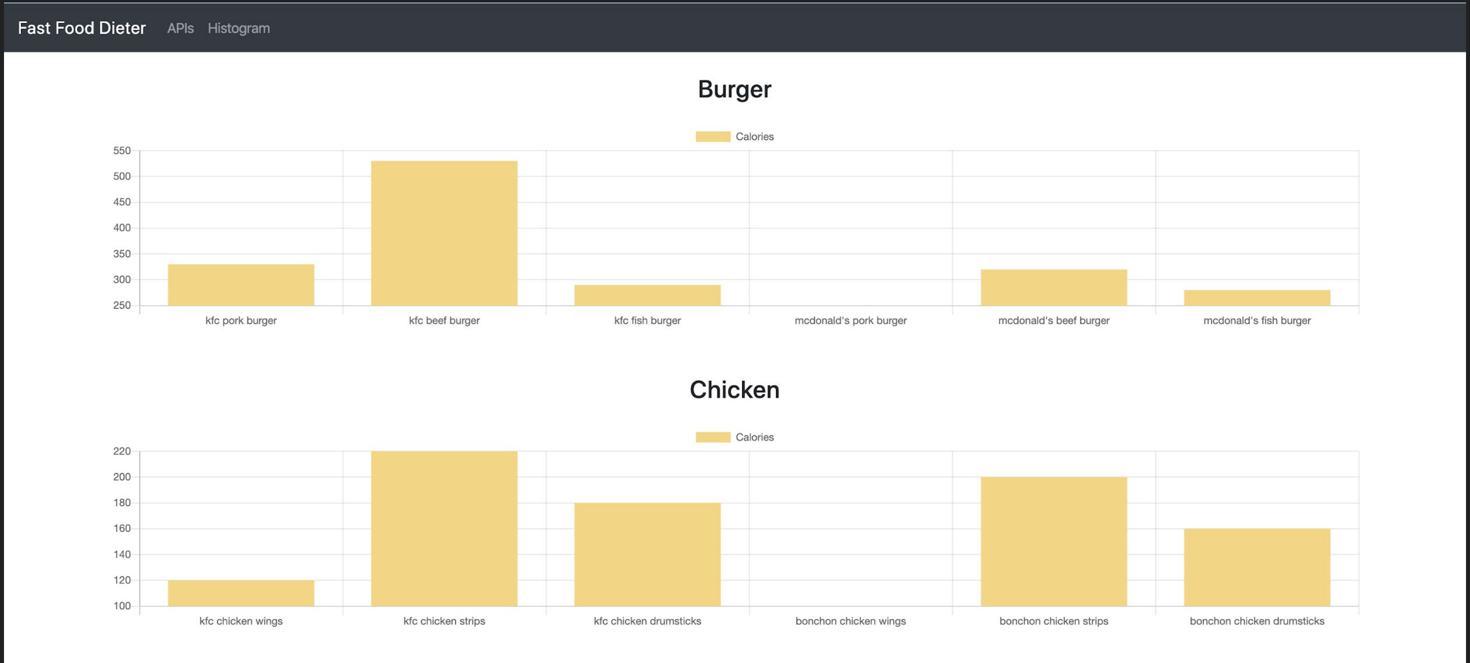
- We use express to create a powerful RESTful API. Simple and efficient.



```
require("dotenv").config();
const express = require('express');
const MongoClient = require('mongodb').MongoClient;
const router = express.Router();

router.get('/test-food', async (req, res) => {
    const tmp = await loadFoods("foods");
    res.send(await tmp.find({}).toArray());
});

router.get('/salads', async (req, res) => {
  const collection = await loadFoods("salad");
  res.send(await collection.find({}).toArray());
});

router.get('/chickens', async (req, res) => {
  const collection = await loadFoods("chicken");
  res.send(await collection.find({}).toArray());
});

router.get('/rice', async (req, res) => {
  const collection = await loadFoods("rice");
  res.send(await collection.find({}).toArray());
});

router.get('/burgers', async (req, res) => {
  const collection = await loadFoods("burger");
  res.send(await collection.find({}).toArray());
});
```

Data Visualization

- React is use to display datas in graph to show calories per each food.


Fast Food Dieter
APIs
Histogram
Burger
Calories
550
500
450
400
350
300
250
kfc pork burger
kfc beef burger
kfc fish burger
mcdonald's pork burger
mcdonald's beef burger
mcdonald's fish burger
Chicken
Calories
220
200
180
160
140
120
100
kfc chicken wings
kfc chicken strips
kfc chicken drumsticks
bonchon chicken wings
bonchon chicken strips
bonchon chicken drumsticks