

Food Store Calculator

This project is a food store calculator that calculates the total price for customer orders, considering member card discounts and bundle discounts.

Food Store Calculator

This project is a food store calculator that calculates the total price for customer orders, considering member card discounts and bundle discounts.

Setup

1. Clone the Repository **

```
git clone https://github.com/Poonpit/foodstore-app.git
cd foodstore-app-main
```

** Or download ZIP

1) Server

Project Structure

- `main.go` : Contains the Fiber application setup and endpoint for calculating totals.
- `/repositories` : Contains repository definitions and mock implementations.
 - `menu.go` : Defines the `Item` struct and `MenuRepository` interface.
 - `menu_mock.go` : Provides a mock implementation of the `MenuRepository`.
- `/services` : Contains the service logic for calculating totals and error definitions.
 - `calculator.go` : Implements the `CalculatorService` interface.
 - `errors.go` : Defines custom errors for the calculator service.
 - `calculator_test.go` : Contains unit tests for the `CalculatorService`.

Setup

1. change directory

```
cd server
```

2. Install Dependencies

```
go mod tidy
```

Testing

To run the unit tests:

```
go test server/services -v
```

This will run the tests defined in `calculator_test.go` and output detailed results.

Running the Application

```
go run main.go
```

Note: The server will start and listen on port 3000. It is configured to allow requests from <http://localhost:5173>

API Endpoint Example

Request Body

```
{
  "items": {
    "Red set": 1,
    "Green set": 1
  },
  "hasMemberCard": true
}
```

Response Body

```
{
  "total": 81
}
```

2) Client - Frontend

Project Structure

- `src/components/FormComponent.tsx` : A React component that provides a form for inputting item quantities and member card status.
- `src/App.tsx` : The main application component that integrates the `FormComponent` and handles form submission.

1. change directory

```
cd client
```

2. Install Dependencies

```
npm install
```

3. Run the Development Server

```
npm run dev
```

Food Store Calculator

Red set

1

Green set

1

Blue set

0

Yellow set

0

Pink set

0

Purple set

0

Orange set

0

☒ Do you have a member card?

CALCULATE TOTAL

localhost:5173 says

Total: 81.00 THB

OK