

Project Proposal

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Overview:

- **Name of the application**

The MenuScript

- **Purpose of the application**

The purpose of this application is to allow users to collect and explore the menus of various restaurants.

Complexity Requirements:

- **A list of routes and/or behavior and its relative complexity:**

The routes of this application are separated as follows. You can browse a list of restaurants or view individual restaurants where the menus are separated by categories(appetizers, entrees, and desserts) with their menu items.

Frontend:

- ☐ `/restaurant` — list all restaurants
- ☐ `/restaurant/new` — create a new restaurant
- ☐ `/restaurant/:restaurantId` — display detailed information about the specific restaurant
- ☐ `/restaurant/:restaurantId/menu` — list all menu types in a restaurant
- ☐ `/restaurant/:restaurantId/menu/new` - create a new menu type in a restaurant
- ☐ `/restaurant/:restaurantId/menu/:menuId` — display detailed information about the specific menu type
- ☐ `/restaurant/:restaurantId/menu/:menuId/item` — list all food items in the specified menu type
- ☐ `/restaurant/:restaurantId/menu/:menuId/item/new` — create a new food item in a menu type
- ☐ `/restaurant/:restaurantId/menu/:menuId/item/:itemId` — display detailed information about the specific food item

API Route:

Restaurants

- ☐ GET: `/restaurant`
- ☐ GET: `/restaurant/:restaurantId`
- ☐ POST: `/restaurant/new`

Menu Types

- ☐ GET: `/restaurant/:restaurantId/menu`
- ☐ GET: `/restaurant/:restaurantId/menu/:menuId`
- ☐ POST: `/restaurant/:restaurantId/menu/new`

Food Items

- ☐ GET: `/restaurant/:restaurantId/menu/:menuId/item`
- ☐ GET: `/restaurant/:restaurantId/menu/:menuId/item/:itemId`
- ☐ POST: `/restaurant/:restaurantId/menu/:menuId/item/new`

Data model:

Restaurants

- ☐ **_id:** string (uuidv4)
- ☐ **name:** string
- ☐ **location:** string

Menu Types

- ☐ **_id:** string (uuidv4)
- ☐ **type:** string
- ☐ **restaurant_id:** string (foreign ID of the restaurant the menu type belongs to)

Food Items

- ☐ **_id:** string (uuidv4)
- ☐ **name:** string
- ☐ **price:** string
- ☐ **type_id:** string (foreign ID of the menu type the food item belongs to)
- ☐ **restaurant_id:** string (foreign ID of the restaurant the food item belongs to)

Application Goal

- The goal of the application: what problem are you trying to solve or what is the purpose of a user interacting with your application

The application aims to enhance the dining experience by providing comprehensive access to a wide range of restaurant menus from both local and distant locations, enabling users to add and explore various dining options, cuisines, and dishes effortlessly. It assists in making informed dining decisions through detailed menu information, including names, and prices, which is invaluable for those with specific dietary needs or preferences.