

W15-P1: rewrite MenuPage_xx.js, can handle filter buttons

The image shows a development environment with three main components:

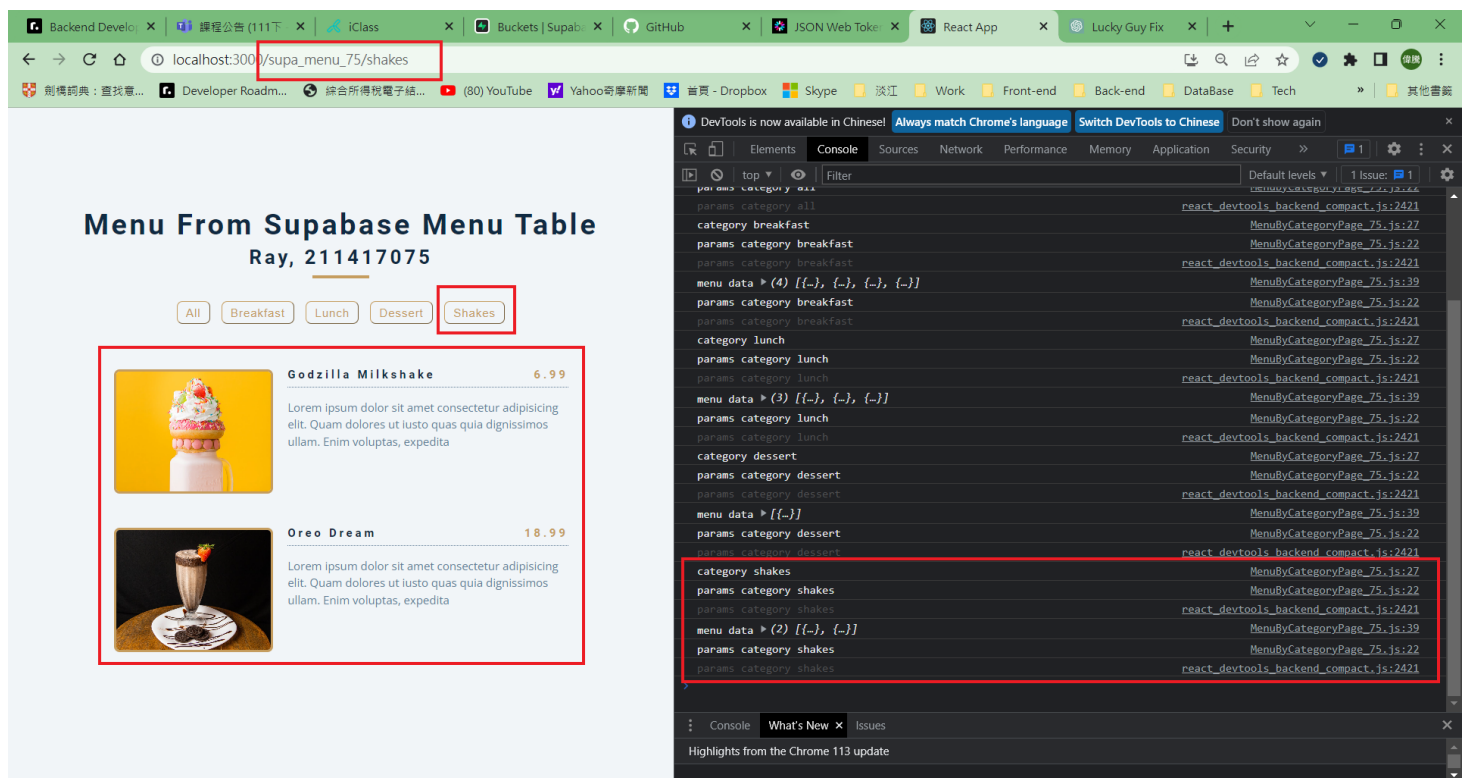
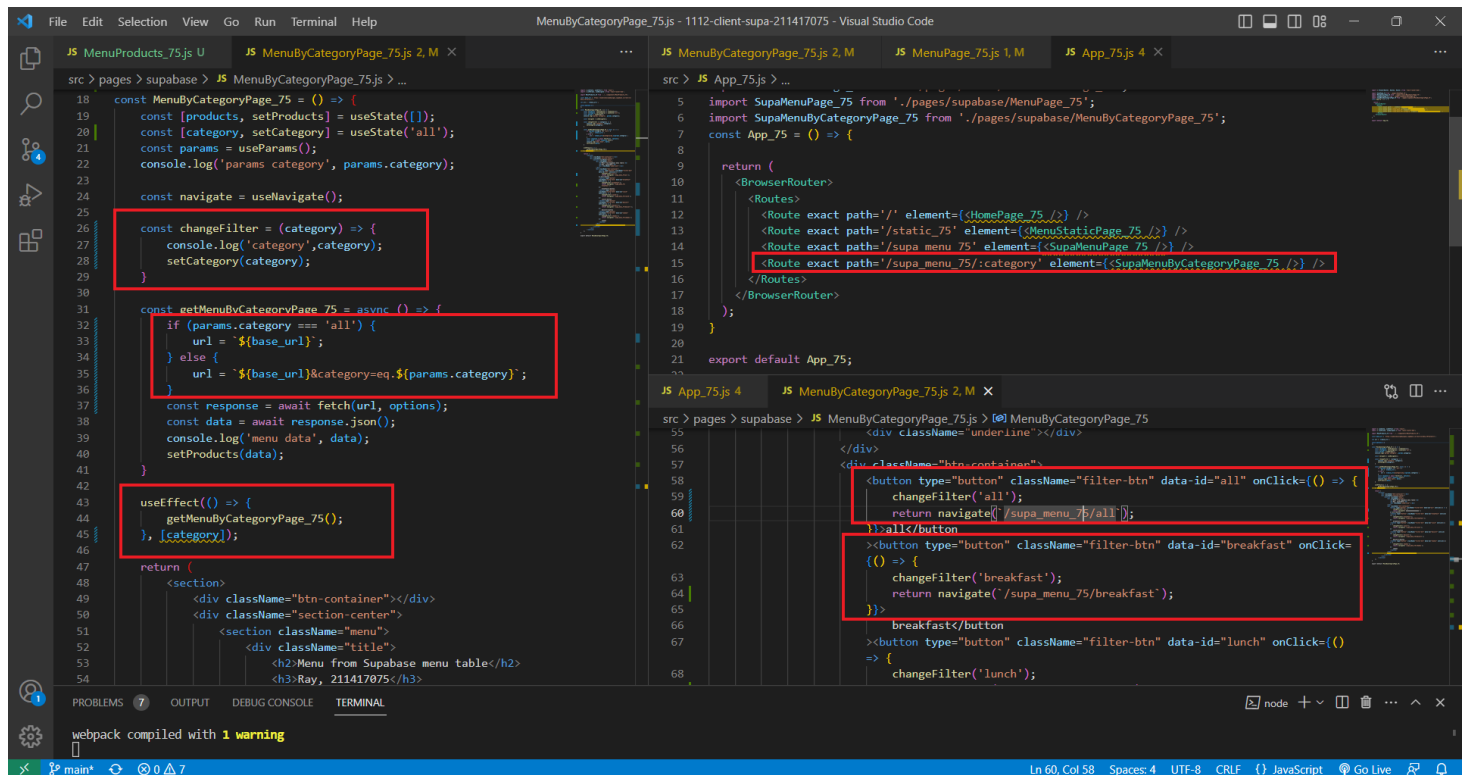
- Code Editor (Left):** Displays the `MenuPage_75.js` file. A red box highlights the `changeFilter` function, which updates the `url` based on the selected filter and calls `getMenuData_75`. The `getMenuData_75` function is also visible, showing an async fetch request.
- Browser (Middle):** Shows the rendered page titled "Menu From Supabase Menu Table" by Ray, 211417075. It features a filter bar with buttons for "All", "Breakfast", "Lunch", "Dessert", and "Shakes". Below the filters, a "Godzilla Milkshake" is displayed with a price of 6.99.
- DevTools (Right):** The Console shows the state of the application. A red box highlights the `all data`, `lunch data`, and `shakes data` arrays, which are populated with data from the Supabase database.

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Wed May 24 19:18:32 2023 +0800

W15-P1: rewrite MenuPage_xx.js, can handle filter but

W15-P2: rewrite MenuByCategoryPage_xx.js, can handle filter buttons



W15-P3: fetch menu data from local Node PostgreSQL

The screenshot displays three windows related to the project:

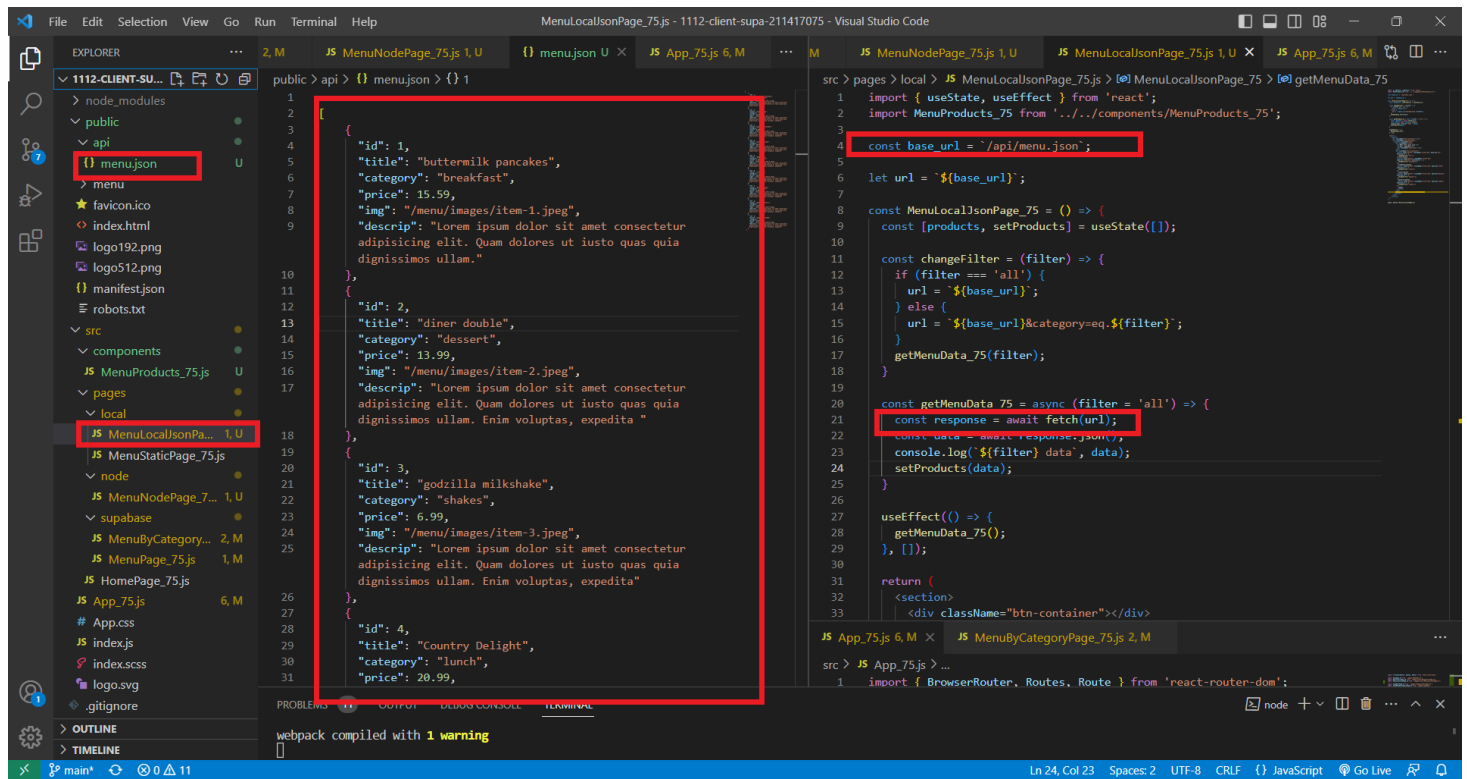
- Web Browser:** Shows the "Menu From Node Server" page. The URL is `localhost:3000/node_menu_75/`. The page title is "Menu From Node Server" by Ray, 211417075. It features a filter for "Breakfast" and a list of menu items, including "Buttermilk Pancakes" for 15.59.
- Chrome DevTools Console:** Shows the fetched menu data as an array of objects. The data is:

```
all data MenuNodePage_75.js:23
(9) [
  {id: 1, title: 'buttermilk pancakes', category: 'breakfast', price: 15.59},
  {id: 2, title: 'diner double', category: 'dessert', price: 13.99},
  {id: 3, title: 'godzilla milkshake', category: 'shakes', price: 6.99},
  {id: 4, title: 'Country Delight', category: 'lunch', price: 20.99},
  {id: 5, title: 'Egg Attack', category: 'breakfast', price: 2.99},
  {id: 6, title: 'Oreo Dream', category: 'shakes', price: 18.99},
  {id: 7, title: 'Bacon Overflow', category: 'breakfast', price: 8.99},
  {id: 8, title: 'American Classic', category: 'lunch', price: 12.99},
  {id: 9, title: 'Quarantine Buddy', category: 'lunch', price: 13.99}
]
```
- pgAdmin 4:** Shows the PostgreSQL database schema. The query `SELECT * FROM public.menu_75 ORDER BY id ASC` is executed, resulting in a table with 9 rows. The table has columns: `id` (integer, PK), `title` (character varying (255)), `category` (character varying (255)), and `price` (real).

The screenshot shows the source code for the menu application in Visual Studio Code:

- MenuProducts_75.js:** Contains the API endpoint `const base_url = 'http://localhost:5000/api/node_menu_75';` and the `getMenuData_75` function that fetches data from the API.
- MenuNodePage_75.js:** Contains the `MenuNodePage_75` component, which uses `useState` and `useEffect` to manage the state and fetch the menu data.
- App_75.js:** Contains the `App_75` component, which uses `BrowserRouter` to define the routes for the application.

W15-P4: fetch menu data from local json



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All logs of W15

```
git log --pretty=format:"%h%x09%an%x09%ad%x09s" --after="2023-5-23"
28d4fd8 CactusRay      Wed May 24 21:33:38 2023 +0800    ### W15-P4: fetch menu data from local json
7a1c9ff CactusRay      Wed May 24 21:32:33 2023 +0800    ### W15-P3: fetch menu data from local Node PostgreSQL
188ee81 CactusRay      Wed May 24 20:07:27 2023 +0800    ### W15-P2: rewrite MenuByCategoryPage_xx.js, can handle
8bc7a64 CactusRay      Wed May 24 19:18:32 2023 +0800    ### W15-P1: rewrite MenuPage_xx.js, can handle filter but
```