

W12-P1: midterm client P2 answer

The screenshot shows a web browser window with the URL `localhost:3000/mid_static_96` highlighted in a red box. The page title is "TKUdemo". The main content area displays a food menu with three items:

- Eggs**: Price 12.59. Description: Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.
- Big Salad**: Price 12.59. Description: Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.
- Fried Dish**: Price 12.59. Description: Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.

A sidebar on the right shows the React component tree and state information. The state information for the `MenuStaticPage_96` component includes:

- props**: new entry: ""
- hooks**:
 - 1 State: "ChungChun Wang"
 - 2 State: "210410196"
- rendered by**: App
- source**: App_96.js:37

2fca925 Billy Wed May 3 19:52:24 2023 +0800 W12-P1: midterm client P2 answer

W12-P2: midterm client P2 answer (local json)

localhost:3000/mid_localjson_96

TKUdemo Home New ClassName Demo Midterm_96 Pages Contact

Our Menu – Local Json

ChungChun Wang 210410196

All Breakfast Lunch Dessert Shakes

 Buttermilk Pancakes 15.59 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.	 Dinner Double 13.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.
 Godzilla Milkshake 13.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.	 Godzilla Milkshake 18.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.
 Egg Attack 2.59 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.	 Oreo Dream 18.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa.
 Bacon Overflow 8.99	 American Classic 12.99

Elements Components Search (text or /regex)

Router Navigation.Provider Location.Provider NavbarMegaResp2_96 styled.div Link Link Link Link Routes RenderedRoute Route.Provider MenuLocalJsonPage_96 styled.div

MenuLocalJsonPage_96

props new entry: ...

hooks

```
1 State: "ChungChun Wang"
2 State: "210410196"
3 State: {..., ..., ..., ..., ..., ..., ..., ..., ...}
  0: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  1: {category: "dessert", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  2: {category: "shakes", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  3: {category: "lunch", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  4: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  5: {category: "shakes", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  6: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  7: {category: "lunch", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
  8: {category: "shakes", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita architecto, cupiditate molestias quisquam error quam blanditiis tempore quo dicta. Ipsa."}
```

new entry

rendered by App createRoot() react-dom@18.2.0

source App_96.js:38

d5fde60 Billy Wed May 3 19:52:49 2023 +0800 W12-P2: midterm client P2 answer (local json)

W12-P3: midterm client P4 answer (node server)

localhost:3000/mid_node_96

TKUdemo Home New ClassName Demo Midterm_96 Pages Contact

Our Menu – Node Server

ChungChun Wang 210410196

All Breakfast Lunch Dessert Shakes

 Buttermilk Pancakes 15.59 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam.	 Diner Double 13.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita
 Godzilla Milkshake 6.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	 Country Delight 20.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita
 Egg Attack 2.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	 Oreo Dream 18.99 Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita
 Bacon Overflow 8.99	 American Classic 12.99

Search (text or /regex)

router

- Navigation.Provider
- Location.Provider
- NavbarMegaResp2_96
- styled.div
- Link
- Link
- Link
- Link

Routes

- RenderedRoute
- Route.Provider
- MenuNodeServerPage_96

styled.div

MenuNodeServerPage_96

props

```
new entry: ...
```

hooks

```
1 State: "ChungChun Wang"
2 State: "210410196"
3 State: [..., {}, {}, {}, {}, {}, {}, {}]
  ⚡ 0: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 1: {category: "dessert", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 2: {category: "shakes", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 3: {category: "lunch", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 4: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 5: {category: "shakes", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 6: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 7: {category: "lunch", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
  ⚡ 8: {category: "lunch", descrip: "Lorem ipsum dolor sit amet, consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
```

4 Effect: f () {}

rendered by

```
App
createRoot()
react-dom@18.2.0
```

source

```
App_96.js:39
```

fb9759d Billy Wed May 3 20:09:12 2023 +0800 W12-P3: midterm client P4 answer (node server)

W12-P4: midterm client P5a, P5b answer (node + context + filter)

localhost:3000/mid_node_context_96

TKUdemo Home New ClassName Demo Midterm_96 Pages Contact

Our Menu – ChungChun Wang 210410196

Static_96
LocalJson_96
NodeServer_96
Node_Context_96

Context

All Breakfast Lunch Dessert Shakes

	Buttermilk Pancakes 15.59		Diner Double 13.99
Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita		Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita	
	Godzilla Milkshake 6.99		Country Delight 20.99
Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita		Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita	
	Egg Attack 2.99		Oreo Dream 18.99
Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita		Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita	
	Bacon Overflow 8.99		American Classic 12.99

localhost:3000/mid_node_context_96 a con Overflow 8.99 American Classic 12.99

Elements Components

```

- Navigation.Provider
  - Location.Provider
    - NavbarMegaResp2_96
      - styled.div
        Link
        Link
        Link
        Link
      - Routes
        - RenderedRoute
          - Route.Provider
            - MenuNodeServerContextPage_96
              styled.div

```

MenuNodeServerContextPage_96

props new entry: ""

hooks

```

1 State: "ChungChun Wang"
2 State: "210410196"
- DemoContext_xx:
  - Context: {blogs: Array(0), blogs2: Array(0), changeMenuFilter: f}
    pName: "ChungChun Wang"
    pid: "210410196"
    blogs: []
    blogs2: []
    data1: []
    data2: []
    menu: [{}]
      0: {category: "breakfast", descrip: "Lorem ipsum dolor..."}
      1: {category: "dessert", descrip: "Lorem ipsum dolor..."}
      2: {category: "shakes", descrip: "Lorem ipsum dolor..."}
      3: {category: "lunch", descrip: "Lorem ipsum dolor sit..."}
      4: {category: "breakfast", descrip: "Lorem ipsum dolor..."}
      5: {category: "shakes", descrip: "Lorem ipsum dolor sit..."}
      6: {category: "breakfast", descrip: "Lorem ipsum dolor sit..."}
      7: {category: "lunch", descrip: "Lorem ipsum dolor sit..."}
      8: {category: "lunch", descrip: "Lorem ipsum dolor sit..."}
    changeMenuFilter: f changeMenuFilter()
  
```

rendered by

```

App
createRoot()
react-dom@18.2.0

```

localhost:3000/mid_node_context_96

TKUdemo Home New ClassName Demo Midterm_96 Pages Contact

Our Menu – Node Server Context ChungChun Wang 210410196

All Breakfast Lunch Dessert Shakes

	Buttermilk Pancakes 15.59		Egg Attack 2.99
Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita		Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita	
	Bacon Overflow 8.99		
Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim volutitas, expedita			

localhost:3000/mid_node_context_96 Bacon Overflow 8.99

Elements Components

```

- Navigation.Provider
  - Location.Provider
    - NavbarMegaResp2_96
      - styled.div
        Link
        Link
        Link
        Link
      - Routes
        - RenderedRoute
          - Route.Provider
            - MenuNodeServerContextPage_96
              styled.div

```

MenuNodeServerContextPage_96

props new entry: ""

hooks

```

1 State: "ChungChun Wang"
2 State: "210410196"
- DemoContext_xx:
  - Context: {blogs: Array(0), blogs2: Array(0), changeMenuFilter: f}
    pName: "ChungChun Wang"
    pid: "210410196"
    blogs: []
    blogs2: []
    data1: []
    data2: []
    menu: [{}]
      0: {category: "breakfast", descrip: "Lorem ipsum dolor..."}
      1: {category: "breakfast", descrip: "Lorem ipsum dolor..."}
      2: {category: "breakfast", descrip: "Lorem ipsum dolor..."}
    changeMenuFilter: f changeMenuFilter()
  
```

rendered by

```

App
createRoot()
react-dom@18.2.0

```

source

```

App_96.js:40

```

W12-P5: Fetch menu data from Supabase using contextAPI

show all menu data

localhost:3000/mid_supabase_context_96

TKUdemo Home New ClassName Demo Midterm_96 Pages Contact

Our Menu – Supabse Server Context

ChungChun Wang 2104101965

All Breakfast Lunch Dessert Shakes

Item	Description	Price
 Buttermilk Pancakes	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	15.59
 Diner Double	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	13.99
 Godzilla Milkshake	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	6.99
 Country Delight	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	20.99
 Egg Attack	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	2.99
 Oreo Dream	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	18.99
 Bacon Overflow	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	8.99
 American Classic	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	12.99
 Quarantine Buddy	Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita	13.99

Elements Components

```

- DemoProvider_xx
  - Context.Provider
    - App
      - BrowserRouter
        - Router
          - Navigation.Provider
            - Location.Provider
              - NavBarMegaResp2_96
                - styled.div
                  Link
                  Link
                  Link
                  Link
                  Link
                - Routes
                  - RenderedRoute
                    - Route.Provider
                      - MenuNodeServerContextPage_96
                        - styled.div

```

```

MenuNodeServerContextPage_96
props
new entry: ""

hooks
1: State: "ChungChun Wang"
2: State: "2104101965"
- DemoContext_xxx
  - Context: {blogs: Array(), blogs2: Array(), changeMenuFilter: function() {}, pName: "ChungChun Wang", pid: "2104101965", blogs: [], blog2s: [], data1: [], data2: []}
    - menu: [Object, Object, Object, Object, Object, Object, Object, Object]
      0: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      1: {category: "dessert", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      2: {category: "shakes", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      3: {category: "lunch", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      4: {category: "breakfast", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      5: {category: "shakes", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      6: {category: "lunch", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      7: {category: "lunch", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
      8: {category: "lunch", descrip: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita."}
    - menu2: [Object, Object, Object, Object, Object, Object, Object, Object]
      changeMenuFilter: f changeMenuFilter()
    - changeMenuFilterSupabase: f changeMenuFilterSupabase()
    - changeMenuFilterSupabase: f changeMenuFilterSupabase()

App
createRoot()
react-dom@18.2.0
source
App_96.js:42

```

show filter data (can see menu array changes correspondingly)

The screenshot shows a web browser window with the URL `localhost:3000/mid_supabase_context_96`. The page title is "TKUdemo". The main content is titled "Our Menu – Supabse Server Context" with a subtitle "ChungChun Wang 210410196s". Below this, there are two menu items: "Godzilla Milkshake" (6.99) and "Oreo Dream" (18.99). The "Oreo Dream" item has a detailed description: "Lorem ipsum dolor sit amet consectetur adipiscing elit. Quam dolores ut iusto quas quis dignissimos ullam. Enim voluptas, expedita". At the bottom of the menu, there are category buttons: All, Breakfast, Lunch, Dessert, and Shakes. The right side of the screen shows the React DevTools component tree. A red box highlights the "MenuNodeServerContextPage_96" component, which is rendered by the "App" component. The "source" section of the DevTools shows the code for `App_96.js:42`.

All logs of W12

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-5-2"
```

6ad4997	Billy	Wed May 3 23:36:12 2023 +0800	W12-P5: Fetch menu data from Supabase using contextAPI
d5c970d	Billy	Wed May 3 21:23:52 2023 +0800	W12-P4: midterm client P5a, P5b answer (node + context)
fb9759d	Billy	Wed May 3 20:09:12 2023 +0800	W12-P3: midterm client P4 answer (node server)
d5fde60	Billy	Wed May 3 19:52:49 2023 +0800	W12-P2: midterm client P2 answer (local json)
2fcfa925	Billy	Wed May 3 19:52:24 2023 +0800	W12-P1: midterm client P2 answer