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## W11-P1: implement /api/mid2\_xx/menu\_xx:category

The screenshot shows a Windows desktop environment. On the left is a Visual Studio Code window displaying the file `apiMid2Router_42.js`. The code implements a router for the endpoint `/menu_42/:category`, which retrieves menu items from a database. A red box highlights the relevant code block. On the right is a Microsoft Edge browser window showing the response from the API call `localhost:5000/api/mid2_42/menu_42/dessert`. The response is a JSON object containing a single item: a dessert with ID 2, title "diner double", category "dessert", price 13.99, image URL, and a descriptive text. A red box highlights the JSON response.

```
// 20231122194310
// http://localhost:5000/api/mid2_42/menu_42/dessert

[
  {
    "id": 2,
    "title": "diner double",
    "category": "dessert",
    "price": 13.99,
    "img": "/menu/images/item-2.jpeg",
    "descrip": "Lorem ipsum dolor sit amet consectetur adipisicing elit. Quam dolores ut iusto quas quia dignissimos ullam. Enim voluptas, expedita "
  }
]
```

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Wed Nov 22 19:50:50 2023 +0800 W11-P1: implement /api/mid2\_xx/menu\_xx/

# W11-P2: implement /mid2\_node\_xx in React to get menu data from Node server

The screenshot shows a development setup with two main windows:

- Visual Studio Code (Left):** The code editor displays `MenuNodePage_42.js`. A red box highlights the section where menu items are mapped from state. The code uses `map` to iterate over `data` and render each item as a `menu-item`.
- Browser (Right):** The application is running at `localhost:3000/mid2_node_42`. The page title is "Our Menu". It features a grid of menu items with images and descriptions. A red box highlights the first item, "Buttermilk Pancakes", which includes a photo of a stack of pancakes with syrup and fruit.
- Terminal (Bottom):** Shows the command `npm start` being run, indicating the application is live.
- Output (Bottom):** Displays a warning about `img` elements missing alt text.

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Wed Nov 22 21:15:09 2023 +0800 W11-P2: implement /mid2\_node\_xx in React

# W11-P3: implement /mid2\_cat\_node\_xx in React to get category data from Node server

VS Code screenshot showing the implementation of the /mid2\_cat\_node\_xx endpoint in MenuByCategoryNodePage\_42.js.

```
src > pages > mid2_42 > JS MenuByCategoryNodePage_42.js > JS MenuNodePage_42.js
  1 import { useState, useEffect } from 'react';
  2
  3 import Wrapper from '../../../../../assets/wrapper/mid2_xx/Menu_xx';
  4
  5 let api_url = `http://localhost:5000/api/mid2_42/Menu_42`;
  6
  7 const MenuByCategoryPage_42 = () => [
  8   const [name, setName] = useState('陳思韻');
  9   const [id, setId] = useState('211410542');
 10   const [data, setData] = useState([]);
 11   const [category, setCategory] = useState('');
 12
 13   const fetchMenuDataFromNode = async()=>{
 14     try{
 15       const response = await fetch(api_url+`/${category}`);
 16       const data = await response.json();
 17       setData(data);
 18       console.log('menu data',data);
 19     }catch(error){
 20       console.log(error)
 21     }
 22   };
 23
 24   useEffect(()=>{
 25     fetchMenuDataFromNode();
 26   },[category]);
 27
 28   const changeMenuFilter = (category)=>{
 29     setCategory(category);
 30   }
 31
 32   return (
 33     <Wrapper>
 34       <section className='menu'>
 35         <div className="title">
 36           <h2>Our menu</h2>
 37           <div className="underline"></div>
 38         </div>
 39         <div className="filter">
 40           <button type="button" className="filter-btn" data-id="all"
 41             onClick={()>changeMenuFilter('')}>All</button>
 42           <button type="button" className="filter-btn" data-id="breakfast"
 43             onClick={()>changeMenuFilter('breakfast')}>Breakfast</button>
 44           <button type="button" className="filter-btn" data-id="lunch"
 45             onClick={()>changeMenuFilter('lunch')}>Lunch</button>
 46           <button type="button" className="filter-btn" data-id="shakes"
 47             onClick={()>changeMenuFilter('shakes')}>Shakes</button>
 48           <button type="button" className="filter-btn" data-id="dinner"
 49             onClick={()>changeMenuFilter('dinner')}>Dinner</button>
 50         </div>
 51       </section>
 52     </Wrapper>
 53   );
 54 }
```

Browser screenshot showing the 'Breakfast' filter selected, displaying Buttermilk Pancakes.

Console output:

```
menu data
  ▶ 7: {id: 8, title: 'American Classic', category: 'lunch', price: 12.99, img: '/menu/images/american-classic.jpg'}
  ▶ 8: {id: 9, title: 'Quarantine Buddy', category: 'lunch', price: 13.99, img: '/menu/images/quarantine-buddy.jpg'}
  . length: 9
  ▶ [[Prototype]]: Array(0)
```

Console output (continued):

```
menu data
  ▶ 3: {id: 1, title: 'Buttermilk Pancakes', category: 'breakfast', price: 15.59, img: '/menu/images/buttermilk-pancakes.jpg'}
  ▶ 1: {id: 5, title: 'Egg Attack', category: 'breakfast', price: 2.99, img: '/menu/images/egg-attack.jpg'}
  ▶ 2: {id: 7, title: 'Bacon Overflow', category: 'breakfast', price: 8.99, img: '/menu/images/bacon-overflow.jpg'}
  . length: 3
  ▶ [[Prototype]]: Array(0)
```

VS Code screenshot showing the implementation of the /mid2\_cat\_node\_xx endpoint in MenuByCategoryNodePage\_42.js.

```
src > pages > mid2_42 > JS MenuByCategoryNodePage_42.js > JS MenuNodePage_42.js
  1 const changeMenuFilter = (category)=>{
  2   setCategory(category);
  3 }
  4
  5 return (
  6   <Wrapper>
  7     <section className='menu'>
  8       <div className="title">
  9         <h2>Our menu</h2>
 10         <div className="underline"></div>
 11       </div>
 12       <div className="btn-container">
 13         <button type="button" className="filter-btn" data-id="all"
 14           onClick={()>changeMenuFilter('')}>All</button>
 15         <button type="button" className="filter-btn" data-id="breakfast"
 16           onClick={()>changeMenuFilter('breakfast')}>Breakfast</button>
 17         <button type="button" className="filter-btn" data-id="lunch"
 18           onClick={()>changeMenuFilter('lunch')}>Lunch</button>
 19         <button type="button" className="filter-btn" data-id="shakes"
 20           onClick={()>changeMenuFilter('shakes')}>Shakes</button>
 21         <button type="button" className="filter-btn" data-id="dinner"
 22           onClick={()>changeMenuFilter('dinner')}>Dinner</button>
 23       </div>
 24       <div className="section-center">
 25         <data.map((item)=>{
 26           const {id,title,img,category,price,descrip} = item;
 27           return(
 28             <article className="menu-item">
 29               <img
 30                 src={img}
 31                 alt="buttermilk"
 32                 pancakes=""
 33                 className="photo"
 34               />
 35               <div className="item-info">
 36                 <header>
 37                   <h4>Title:</h4>
 38                   <h4>Price:</h4>
 39                 </header>
 40                 <p>Item Text:</p>
 41               </div>
 42             </article>
 43           );
 44         })>
 45       </div>
 46     </section>
 47   </Wrapper>
 48 );
```

Browser screenshot showing the 'Lunch' filter selected, displaying Country Delight.

Console output:

```
menu data
  ▶ 2: {id: 7, title: 'Country Delight', category: 'lunch', price: 20.99, img: '/menu/images/country-delight.jpg'}
  . length: 3
  ▶ [[Prototype]]: Array(0)
```

Console output (continued):

```
menu data
  ▶ 3: {id: 8, title: 'American Classic', category: 'lunch', price: 12.99, img: '/menu/images/american-classic.jpg'}
  ▶ 1: {id: 9, title: 'Quarantine Buddy', category: 'lunch', price: 13.99, img: '/menu/images/quarantine-buddy.jpg'}
  . length: 3
  ▶ [[Prototype]]: Array(0)
```

Screenshot showing the development environment with VS Code and a browser side-by-side.

**VS Code (Left):**

- File structure: MID2\_CLIENT\_42 > pages > mid2\_42 > MenuByCategoryNodePage\_42.js
- Code snippet from MenuByCategoryNodePage\_42.js:

```

    const changeMenuFilter = (category) => {
      setCategory(category);
    }

    return (
      <Wrapper>
        <section className='menu'>
          <div className='title'>
            <h2>Our menu</h2>
            <div className='underline'></div>
          </div>
          <div className='btn-container'>
            <button type='button' className='filter-btn' data-id='all' onClick={()=>changeMenuFilter('')}>All</button>
            <button type='button' className='filter-btn' data-id='breakfast' onClick={()=>changeMenuFilter('breakfast')}>Breakfast</button>
            <button type='button' className='filter-btn' data-id='lunch' onClick={()=>changeMenuFilter('lunch')}>Lunch</button>
            <button type='button' className='filter-btn' data-id='shakes' onClick={()=>changeMenuFilter('shakes')}>Shakes</button>
            <button type='button' className='filter-btn' data-id='dinner' onClick={()=>changeMenuFilter('dinner')}>Dinner</button>
          </div>
          <div className='section-center'>
            {data.map((item)=>{
              const {id, title, img, category, price, descrip} = item;
              return(
                <article className='menu-item'>
                  <img alt={buttermilk} src={img} />
                  <div className='item-info'>
                    <header>
                      <h4>{title}</h4>
                      <h4>Price: ${price}</h4>
                    </header>
                    <p>Item Text: {descrip}</p>
                  </div>
                </article>
              );
            })}
          </div>
        </section>
      </Wrapper>
    )
  
```

**Browser (Right):**

- URL: localhost:3000/mid2\_cat\_node\_42
- Page Title: Our Menu
- Buttons: All, Breakfast, Lunch, Shakes (highlighted), Dinner
- Image: Godzilla Milkshake (a milkshake topped with whipped cream and sprinkles)
- Text: Godzilla Milkshake \$ 6.99
- Console Output (highlighted):
 

```

menu data
  ▷ (2) [{}]
    ▷ 0: {id: 3, title: 'godzilla milkshake', category: 'shakes', price: 6.99, img: '/menu/images/1'}
    ▷ 1: {id: 9, title: 'Oreo Dream', category: 'shakes', price: 18.99, img: '/menu/images/1'}
      .length: 2
      [[Prototype]]: Array(0)
    
```

Screenshot showing the development environment with VS Code and a browser side-by-side.

**VS Code (Left):**

- File structure: MID2\_CLIENT\_42 > pages > mid2\_42 > MenuByCategoryNodePage\_42.js
- Code snippet from MenuByCategoryNodePage\_42.js:

```

    const changeMenuFilter = (category) => {
      setCategory(category);
    }

    return (
      <Wrapper>
        <section className='menu'>
          <div className='title'>
            <h2>Our menu</h2>
            <div className='underline'></div>
          </div>
          <div className='btn-container'>
            <button type='button' className='filter-btn' data-id='all' onClick={()=>changeMenuFilter('')}>All</button>
            <button type='button' className='filter-btn' data-id='breakfast' onClick={()=>changeMenuFilter('breakfast')}>Breakfast</button>
            <button type='button' className='filter-btn' data-id='lunch' onClick={()=>changeMenuFilter('lunch')}>Lunch</button>
            <button type='button' className='filter-btn' data-id='shakes' onClick={()=>changeMenuFilter('shakes')}>Shakes</button>
            <button type='button' className='filter-btn' data-id='dinner' onClick={()=>changeMenuFilter('dinner')}>Dinner</button>
          </div>
          <div className='section-center'>
            {data.map((item)=>{
              const {id, title, img, category, price, descrip} = item;
              return(
                <article className='menu-item'>
                  <img alt={buttermilk} src={img} />
                  <div className='item-info'>
                    <header>
                      <h4>{title}</h4>
                      <h4>Price: ${price}</h4>
                    </header>
                    <p>Item Text: {descrip}</p>
                  </div>
                </article>
              );
            })}
          </div>
        </section>
      </Wrapper>
    )
  
```

**Browser (Right):**

- URL: localhost:3000/mid2\_cat\_node\_42
- Page Title: Our Menu
- Buttons: All (highlighted), Breakfast, Lunch, Shakes, Dinner
- Image: Buttermilk Pancakes (a stack of pancakes with syrup and fruit)
- Console Output (highlighted):
 

```

menu data
  ▷ (9) [{}]
    ▷ 0: {id: 1, title: 'buttermilk pancakes', category: 'breakfast', price: 15.59, img: '/menu/images/1'}
    ▷ 1: {id: 2, title: 'diner double', category: 'dessert', price: 13.99, img: '/menu/images/1'}
    ▷ 2: {id: 3, title: 'godzilla milkshake', category: 'shakes', price: 6.99, img: '/menu/images/1'}
    ▷ 3: {id: 4, title: 'Country Delight', category: 'lunch', price: 20.99, img: '/menu/images/1'}
    ▷ 4: {id: 5, title: 'Egg Attack', category: 'breakfast', price: 2.99, img: '/menu/images/1'}
    ▷ 5: {id: 6, title: 'Oreo Dream', category: 'shakes', price: 18.99, img: '/menu/images/1'}
    ▷ 6: {id: 7, title: 'Bacon Overflow', category: 'breakfast', price: 8.99, img: '/menu/images/1'}
    ▷ 7: {id: 8, title: 'American Classic', category: 'lunch', price: 12.99, img: '/menu/images/1'}
    ▷ 8: {id: 9, title: 'Quarantine Buddy', category: 'lunch', price: 13.99, img: '/menu/images/1'}
      .length: 9
      [[Prototype]]: Array(0)
    
```

# W11-P4: Create two menu data with category 'dinner', and get these two data from React 'Dinner' button

=> in pgAdmin, show two newly added data

The screenshot shows the pgAdmin 4 interface. In the Object Explorer, under the 'public' schema, the 'menu\_42' table is selected. The table has six columns: id, title, category, price, img, and descrip. Two new rows have been added, both categorized as 'dinner':

id	title	category	price	img	descrip
10	Chicken	dinner	600	/menu/Images/item-10.jpeg	Lorem ipsum dolor sit amet consectetur
11	beef	dinner	600	/menu/Images/item-11.jpeg	Lorem ipsum dolor sit amet consectetur

A red box highlights the last two rows of the table.

## => in React, show two newly added data by pressing Dinner button

The screenshot shows a development setup with VS Code on the left and a browser window on the right.

**VS Code (Left):**

- File tree: Shows project structure with files like `index.html`, `robots.txt`, `src`, `assets`, `data`, `pages`, and `mid2_xx`.
- Code editor: Displays `MenuByCategoryNodePage_42.js` with code for handling menu filters. A red box highlights the section where the "Dinner" filter button is defined.

**Browser Preview (Right):**

- Address bar: `localhost:3000/mid2_cat_node_42`
- Page title: **Our Menu**
- Buttons: All, Breakfast, Lunch, Shakes, **Dinner** (highlighted with a red box)
- Image: A plate of fried chicken wings.
- Text: **Chicken \$ 600**
- Console (bottom): Shows the following data:

```
menu data
▶ (11) [{}]
  ▶ 0: {id: 10, title: 'Chicken', category: 'dinner', price: 600, img: '/menu/images/item-10.jpeg'}
  ▶ 1: {id: 11, title: 'beef', category: 'dinner', price: 600, img: '/menu/images/item-11.jpeg'}
  . length: 2
  ▶ [[Prototype]]: Array(0)
```

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Wed Nov 22 21:53:45 2023 +0800 W11-P4: Create two menu data with category

# W011-P5: W11 all logs

The screenshot shows a Windows desktop environment with a browser window open to a GitHub repository. The repository name is '1121-wp1-demo-211410542'. The 'main' branch is selected. The 'Commits' section is expanded, showing several commits made by 'George0113' on November 22, 2023. The commits are:

- W011-P5: W11 all logs (e190d3c)
- W11-P4: Create two menu data with category 'dinner', and get these tw... (d28da26)
- W11-P3: implement /mid2\_cat\_node\_xx in React to get category data fro... (c2d9cc5)
- W11-P2: implement /mid2\_node\_xx in React to get menu data from Node s... (9c5c7e7)
- W11-P1: implement /api/mid2\_xx/menu\_xx/category (f5ad51c)
- w11 (62d96c1)

A second red box highlights the commit 'w08' (9907966) made by 'George0113' committed last week on November 15, 2023.

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-11-21"
d28da26 George0113      Wed Nov 22 21:53:45 2023 +0800  W11-P4: Create two menu data with catego...
c2d9cc5 George0113      Wed Nov 22 21:17:00 2023 +0800  W11-P3: implement /mid2_cat_node_xx in React...
9c5c7e7 George0113      Wed Nov 22 21:15:09 2023 +0800  W11-P2: implement /mid2_node_xx in React ...
f5ad51c George0113      Wed Nov 22 19:50:50 2023 +0800  W11-P1: implement /api/mid2_xx/menu_xx/:...
62d96c1 George0113      Wed Nov 22 18:23:53 2023 +0800  w11
```