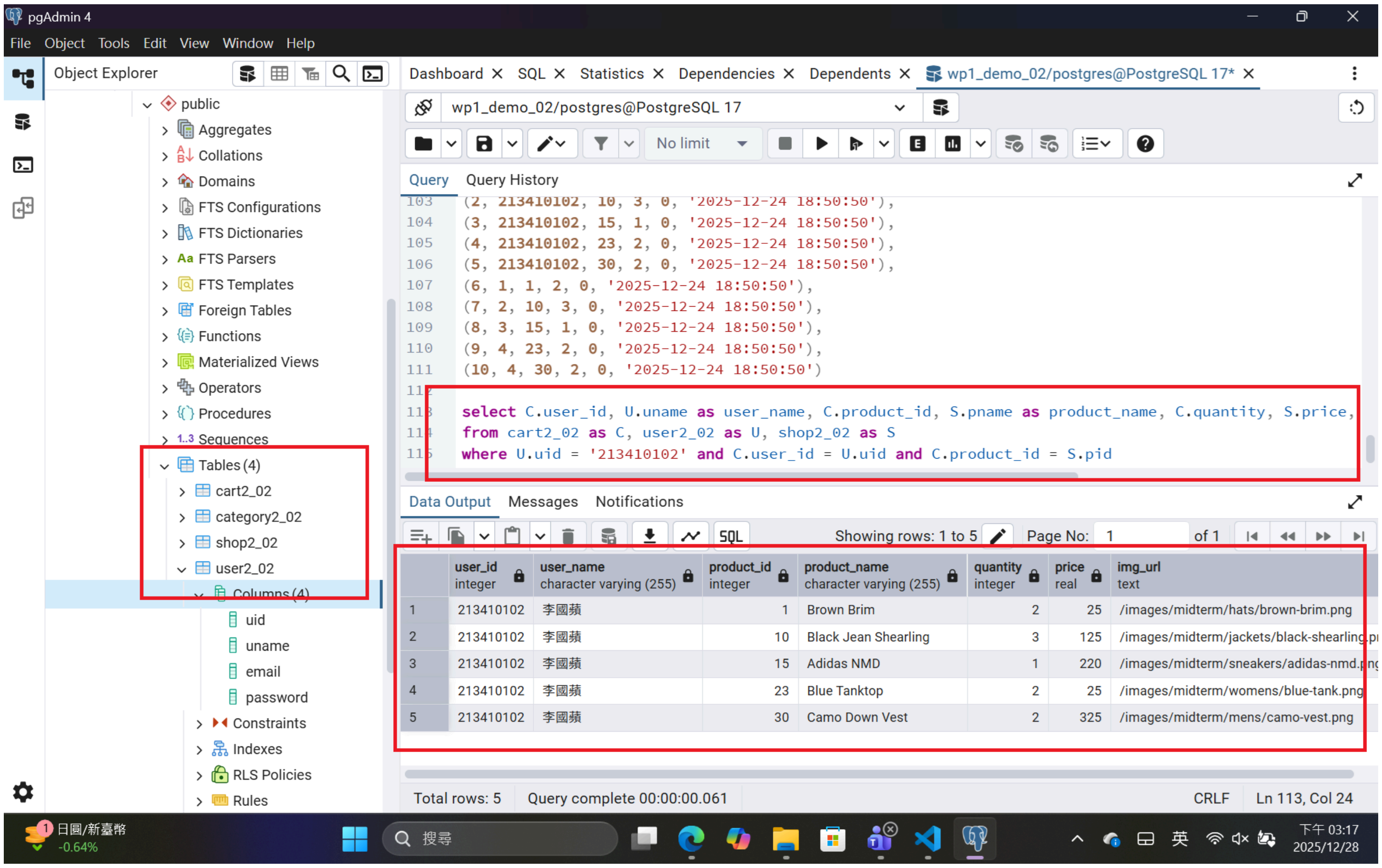
Github URL
Github URL for Vercel
Vercel URL

Video: W15-P1: Create tables category2_xx, shop2_xx, user2_xx, cart2_xx, and put 5 products into a cart for the user of your id

=> pgAdmin4, show SQL command to get the needed info



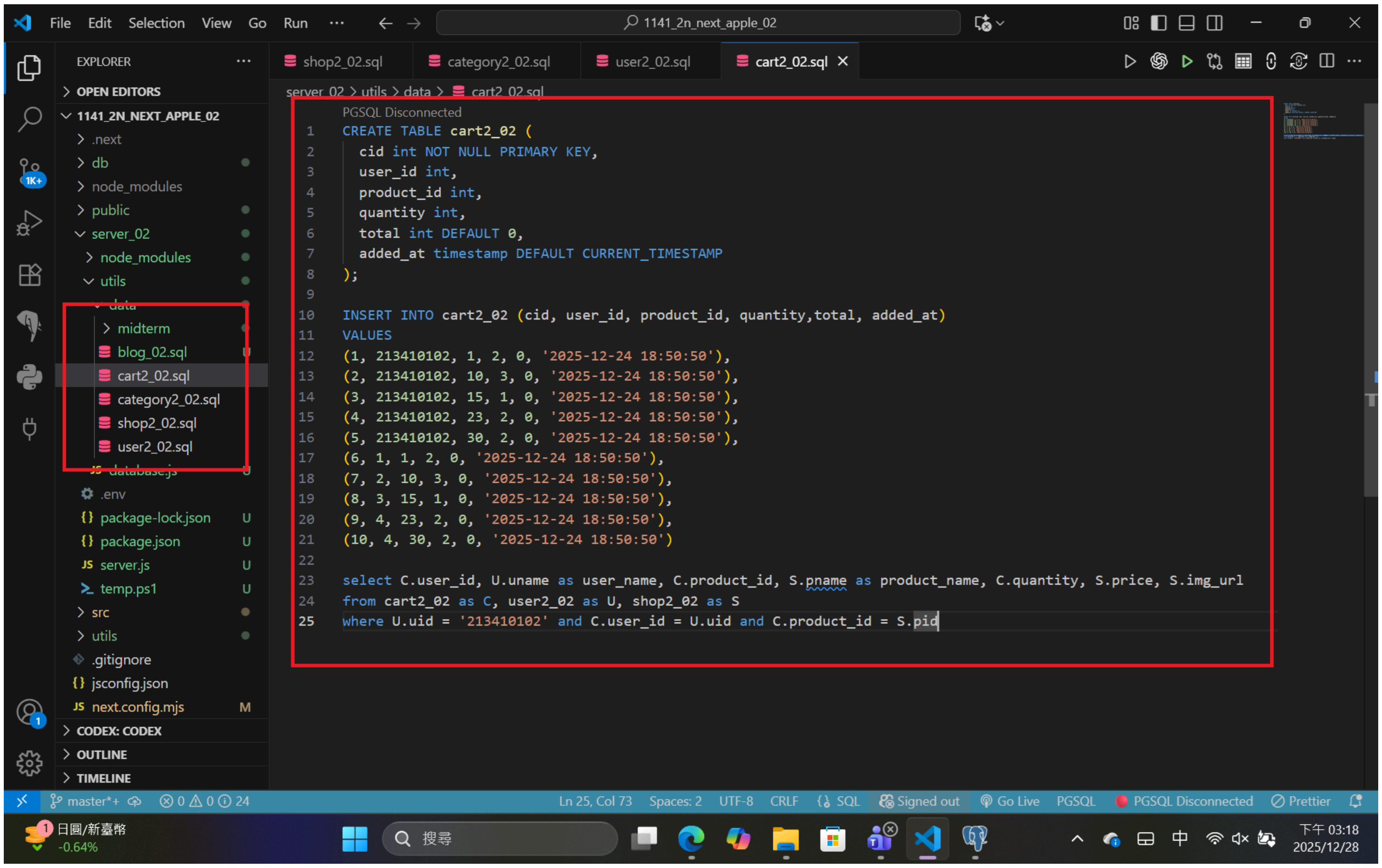
```
(2, 213410102, 10, 3, 0, '2025-12-24 18:50:50'),
(3, 213410102, 15, 1, 0, '2025-12-24 18:50:50'),
(4, 213410102, 23, 2, 0, '2025-12-24 18:50:50'),
(5, 213410102, 30, 2, 0, '2025-12-24 18:50:50'),
(6, 1, 1, 2, 0, '2025-12-24 18:50:50'),
(7, 2, 10, 3, 0, '2025-12-24 18:50:50'),
(8, 3, 15, 1, 0, '2025-12-24 18:50:50'),
(9, 4, 23, 2, 0, '2025-12-24 18:50:50'),
(10, 4, 30, 2, 0, '2025-12-24 18:50:50')

select C.user_id, U.uname as user_name, C.product_id, S.pname as product_name, C.quantity, S.price,
from cart2_02 as C, user2_02 as U, shop2_02 as S
where U.uid = '213410102' and C.user_id = U.uid and C.product_id = S.pid
```

Showing rows: 1 to 5   Page No: 1 of 1

	user_id integer	user_name character varying (255)	product_id integer	product_name character varying (255)	quantity integer	price real	img_url text
1	213410102	李國蘋	1	Brown Brim	2	25	/images/midterm/hats/brown-brim.png
2	213410102	李國蘋	10	Black Jean Shearling	3	125	/images/midterm/jackets/black-shearling.pi
3	213410102	李國蘋	15	Adidas NMD	1	220	/images/midterm/sneakers/adidas-nmd.png
4	213410102	李國蘋	23	Blue Tanktop	2	25	/images/midterm/womens/blue-tank.png
5	213410102	李國蘋	30	Camo Down Vest	2	325	/images/midterm/mens/camo-vest.png

Total rows: 5   Query complete 00:00:00.061   CRLF   Ln 113, Col 24

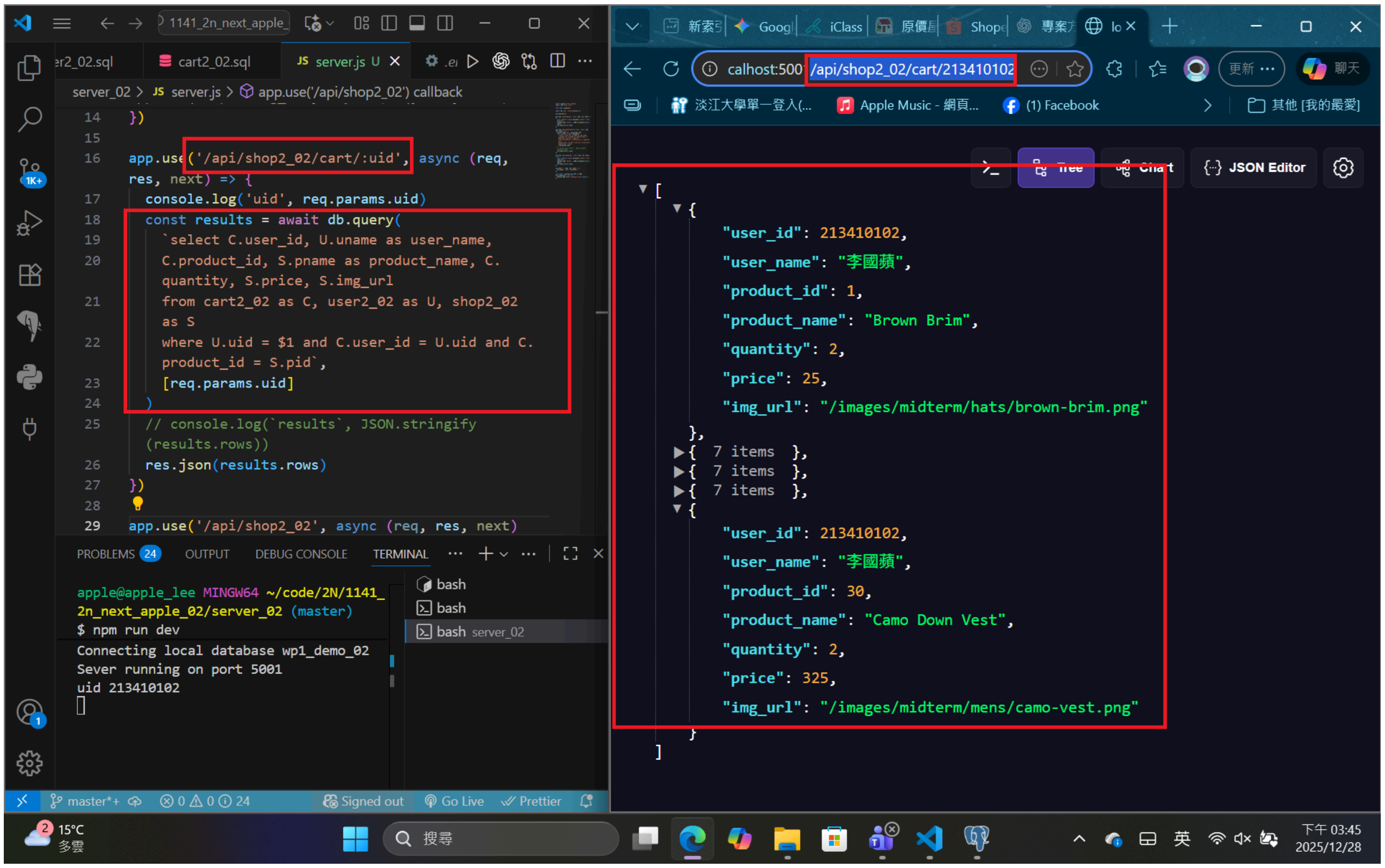
=> sql code



```
CREATE TABLE cart2_02 (
  cid int NOT NULL PRIMARY KEY,
  user_id int,
  product_id int,
  quantity int,
  total int DEFAULT 0,
  added_at timestamp DEFAULT CURRENT_TIMESTAMP
);

INSERT INTO cart2_02 (cid, user_id, product_id, quantity,total, added_at)
VALUES
(1, 213410102, 1, 2, 0, '2025-12-24 18:50:50'),
(2, 213410102, 10, 3, 0, '2025-12-24 18:50:50'),
(3, 213410102, 15, 1, 0, '2025-12-24 18:50:50'),
(4, 213410102, 23, 2, 0, '2025-12-24 18:50:50'),
(5, 213410102, 30, 2, 0, '2025-12-24 18:50:50'),
(6, 1, 1, 2, 0, '2025-12-24 18:50:50'),
(7, 2, 10, 3, 0, '2025-12-24 18:50:50'),
(8, 3, 15, 1, 0, '2025-12-24 18:50:50'),
(9, 4, 23, 2, 0, '2025-12-24 18:50:50'),
(10, 4, 30, 2, 0, '2025-12-24 18:50:50')

select C.user_id, U.uname as user_name, C.product_id, S.pname as product_name, C.quantity, S.price, S.img_url
from cart2_02 as C, user2_02 as U, shop2_02 as S
where U.uid = '213410102' and C.user_id = U.uid and C.product_id = S.pid
```

```
f43d4bd apple550678     2025-12-28 15:20:35 +0800      Video: W15-P1: Create tables category2_x
```

Video: W15-P2: Implement route /api/shop_xx/cart/:uid to get the info as the SQL in W15-P1



```
app.use('/api/shop2_02/cart/:uid', async (req,
res, next) => {
  console.log('uid', req.params.uid)
  const results = await db.query(
    `select C.user_id, U.uname as user_name,
    C.product_id, S.pname as product_name, C.
    quantity, S.price, S.img_url
    from cart2_02 as C, user2_02 as U, shop2_02
    as S
    where U.uid = $1 and C.user_id = U.uid and C.
    product_id = S.pid`,
    [req.params.uid]
  )
  // console.log(`results`, JSON.stringify
  (results.rows))
  res.json(results.rows)
})

app.use('/api/shop2_02', async (req, res, next)
```

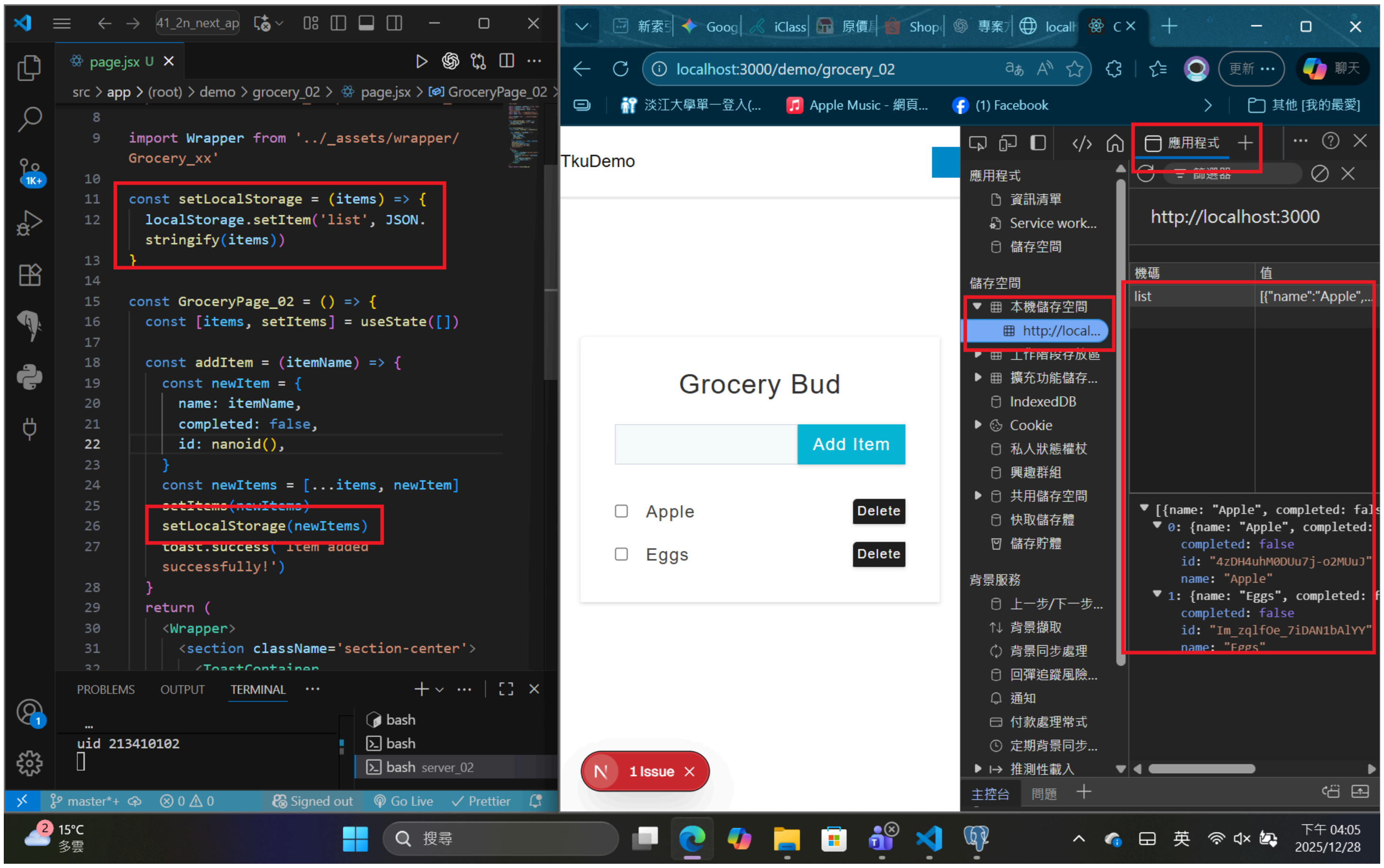
```
apple@apple_lee MINGW64 ~/code/2N/1141_
2n_next_apple_02/server_02 (master)
$ npm run dev
Connecting local database wp1_demo_02
Sever running on port 5001
uid 213410102
```

localhost:5001/api/shop2_02/cart/213410102

```
[
  {
    "user_id": 213410102,
    "user_name": "李國蘋",
    "product_id": 1,
    "product_name": "Brown Brim",
    "quantity": 2,
    "price": 25,
    "img_url": "/images/midterm/hats/brown-brim.png"
  },
  { 7 items },
  { 7 items },
  { 7 items },
  {
    "user_id": 213410102,
    "user_name": "李國蘋",
    "product_id": 30,
    "product_name": "Camo Down Vest",
    "quantity": 2,
    "price": 325,
    "img_url": "/images/midterm/mens/camo-vest.png"
  }
]
```

Video: W15-P3: Use localStorage

=> Implement setLocalStorage



page.jsx U

src > app > (root) > demo > grocery_02 > page.jsx > GroceryPage_02

```jsx

import Wrapper from '../_assets/wrapper/Grocery_xx'

const setLocalStorage = (items) => {
  localStorage.setItem('list', JSON.stringify(items))
}

const GroceryPage_02 = () => {
  const [items, setItems] = useState([])

  const addItem = (itemName) => {
    const newItem = {
      name: itemName,
      completed: false,
      id: nanoid(),
    }
    const newItems = [...items, newItem]
    setItems(newItems)
    setLocalStorage(newItems)
    toast.success('Item added successfully!')
  }
  return (
    <Wrapper>
      <section className='section-center'>
        <ToastContainer
```

```
...
uid 213410102
```

localhost:3000/demo/grocery_02

TkuDemo

Grocery Bud

Add Item

Apple Delete

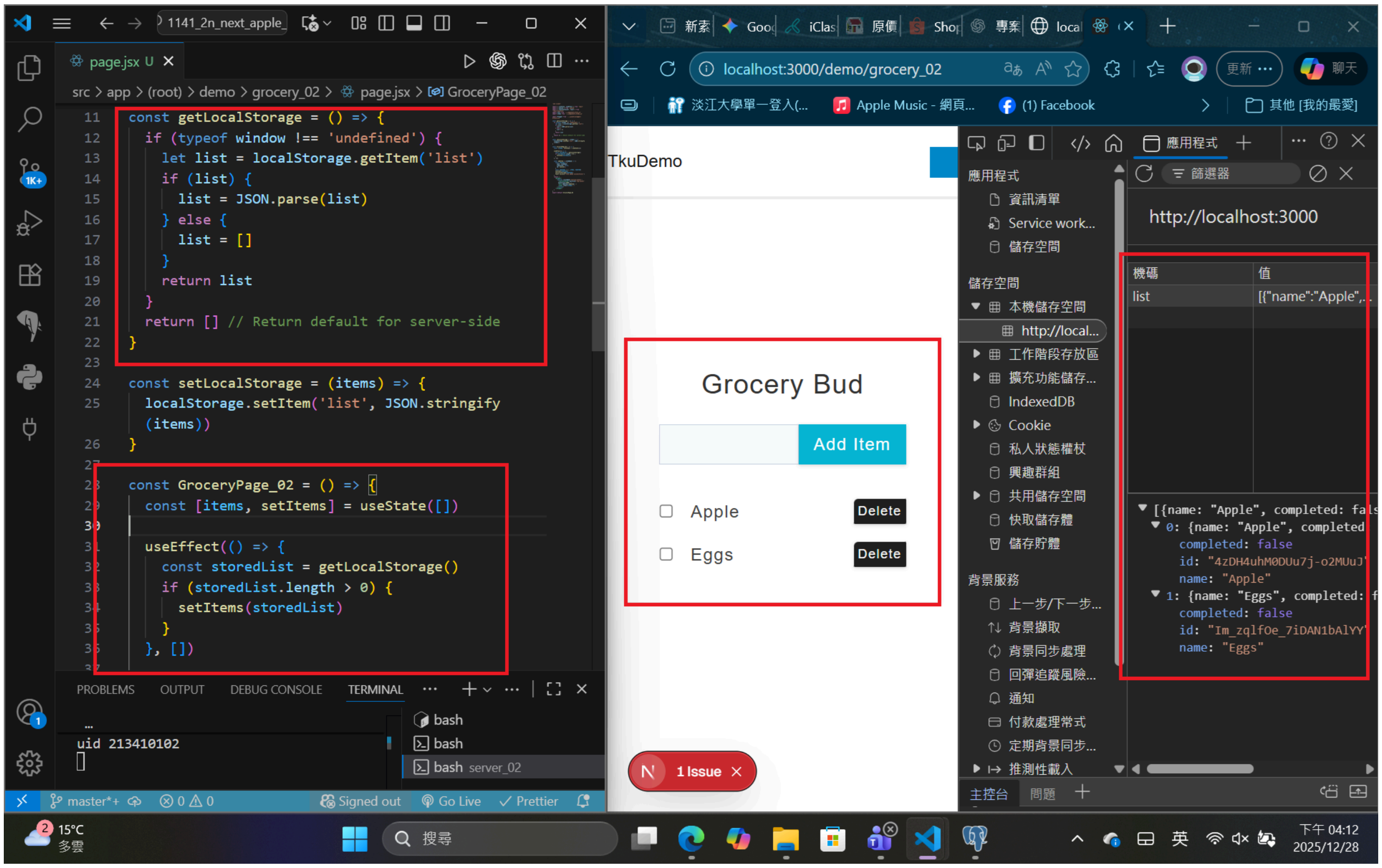
Eggs Delete

http://localhost:3000

機碼	值
list	[{"name":"Apple",...

```
▼ [{name: "Apple", completed: fals
  ▼ 0: {name: "Apple", completed:
      completed: false
      id: "4zDH4uhM0DUu7j-o2MUuJ"
      name: "Apple"
  ▼ 1: {name: "Eggs", completed: f
      completed: false
      id: "Im_zqlfOe_7iDAN1bAlYY"
      name: "Eggs"
```

=> Implement getLocalStorage



src > app > (root) > demo > grocery_02 > page.jsx > GroceryPage_02

```
const getLocalStorage = () => {
  if (typeof window !== 'undefined') {
    let list = localStorage.getItem('list')
    if (list) {
      list = JSON.parse(list)
    } else {
      list = []
    }
    return list
  }
  return [] // Return default for server-side
}

const setLocalStorage = (items) => {
  localStorage.setItem('list', JSON.stringify
  (items))
}

const GroceryPage_02 = () => {
  const [items, setItems] = useState([])

  useEffect(() => {
    const storedList = getLocalStorage()
    if (storedList.length > 0) {
      setItems(storedList)
    }
  }, [])
```

```
…
uid 213410102
```

localhost:3000/demo/grocery_02

TkuDemo

Grocery Bud

Add Item

- Apple Delete
- Eggs Delete

http://localhost:3000

機碼	值
list	[{"name":"Apple",...

```
▼ [{name: "Apple", completed: fals
  ▼ 0: {name: "Apple", completed
      completed: false
      id: "4zDH4uhM0DUu7j-o2MUuJ"
      name: "Apple"
  ▼ 1: {name: "Eggs", completed: f
      completed: false
      id: "Im_zqlfOe_7iDAN1bAlYY"
      name: "Eggs"
```

```
59bba84 apple550678      2025-12-28 16:44:18 +0800        Video: W15-P3: Use localStorage
```