

(70%) 113-2 Web 程式設計一 期末 final1 -- 斷網考試

2025-06-11, at E201, from 18:20~21:10

Note:

1. final1 是斷網考試，final2 是開放網路考試
2. 請不要發揮同學愛，作弊雙方除了本次考試 0 分外，平常分數另扣 20 分，情節嚴重者會送校。
3. iClass 上請繳交 md_f1_xx.pdf, md_f1.zip(md 壓縮檔), final_xx.zip (code 壓縮檔)，壓縮前請將 node_modules 全部砍掉，如果檔案太大，public 目錄下的圖片也可以砍掉
4. 請直接將答案寫在 md_f1_xx/md_f1_xx.md 上，老師出題及圖片放在 md_f1_htc.pdf 上，請依照老師所給的圖片來實作並標註
5. 跟期中考相關的檔案及目錄名稱有 xx 時，必須要改成學號後 2 碼，沒有修改時，會視違犯情況扣分。
6. 每一張圖片要有機房左側背景，圖片上要有你的學號(或後兩碼)，圖片標註要跟老師所標註的類似。違者會依情節扣分。
7. 請自評分數，將每一題的？填入分數，沒有填者，不會批改，以 0 分計算。

Your (Name, ID): (?, ?)

final1: 70% 斷網

- P1 (10%): 8 分
- P2 (10%): 8 分
- P3 (15%): 12 分
- P4 (10%): 8 分
- P5 (10%): 8 分
- P6 (5%): 5 分
- P7 (10%): 8 分

final2: 30% 開放網路

- P8 (10%): 8 分
- P9 (10%): 8 分
- P10 (20%): 16 分

總分: 80 分

final1: 70%

(10%) P1: 設定 local PostgreSQL，並匯入 product, user, cabin 資料

資料庫：wp2_final_xx

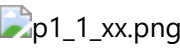
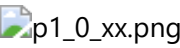
.env (DATABASE_URL 設定)

```
DATABASE_URL="postgresql://postgres:0000@localhost:5432/wp2_final_xx"
```

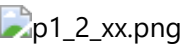
執行 "npx tsx ./db/seed" 可以匯入 product 6 筆資料, user 6 筆資料，其中 user 要有兩筆出現你的名字代號，如圖之 Admin-htc, User-htc

執行 "npx tsx ./db/cabin/seed" 可以匯入 cabin 8 筆料

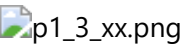
=> 檔案目錄



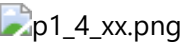
=> pgAdmin 顯示資料庫名稱・product 6 筆資料



=> pgAdmin 顯示 user 6 筆資料



=> pgAdmin 顯示 cabins 8 筆資料



Your Answer

=> pgAdmin 顯示資料庫名稱・product 6 筆資料

pgAdmin 4

File Object Tools Edit View Window Help

Object Explorer

- FTS Configurations
- FTS Dictionaries
- FTS Parsers
- FTS Templates
- Foreign Tables
- Functions
- Materialized Views
- Operators
- Procedures
- Sequences
- Tables (10)
 - Account
 - Cabin
 - Columns
 - Constraints
 - Indexes
 - RLS Policies
 - Rules
 - Triggers
 - Cart
 - Order
 - OrderItem
 - Product
 - Review
 - Session
 - User
 - VerificationToken
- Trigger Functions
- Types
- Views

public.Product/wp2_final_xx/postgres@PostgreSQL 16

- Query
 - 1 SELECT * FROM public."Product"
 - 2 ORDER BY id ASC
- Query History
- Scratch Pad

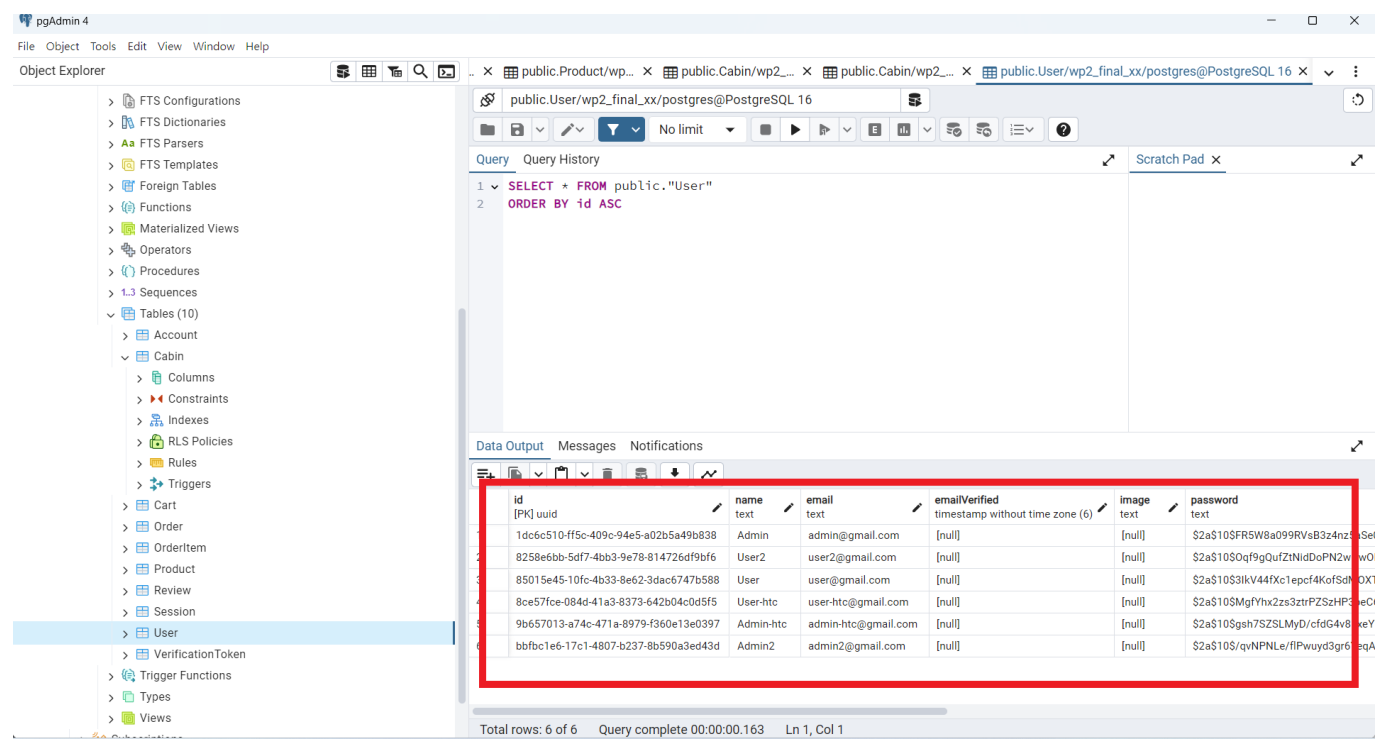
Data Output Messages Notifications

id	name	slug	category	images
[PK] uuid	text	text	text	text[]
050f0a6a-87cb-4c7d-be98-dbaba7c10d...	Tommy Hilfiger Classic Fit Dress Shirt	tommy-hilfiger-classic-fit-dress-shirt	Men's Dress Shirts	/images/sample-products/p...
1056616f-ff4c-4d4f-ac0f-3797f813f50	Polo Sporting Stretch Shirt	polo-sporting-stretch-shirt	Men's Dress Shirts	/images/sample-products/p...
2f900799-a4e3-4be4-90ed-f7126d426e...	Polo Ralph Lauren Oxford Shirt	polo-ralph-lauren-oxford-shirt	Men's Dress Shirts	/images/sample-products/p...
d90fc764-e17f-425b-9512-49c62ed56bc3	Polo Classic Pink Hoodie	polo-classic-pink-hoodie	Men's Sweatshirts	/images/sample-products/p...
f15eccd4-d559-4cfb-a3a4-3f5c352a0bd2	Brooks Brothers Long Sleeved Shirt	brooks-brothers-long-sleeved-shirt	Men's Dress Shirts	/images/sample-products/p...
fac045f4-4695-4e98-8970-0f5d8ddd22ea	Calvin Klein Slim Fit Stretch Shirt	calvin-klein-slim-fit-stretch-shirt	Men's Dress Shirts	/images/sample-products/p...

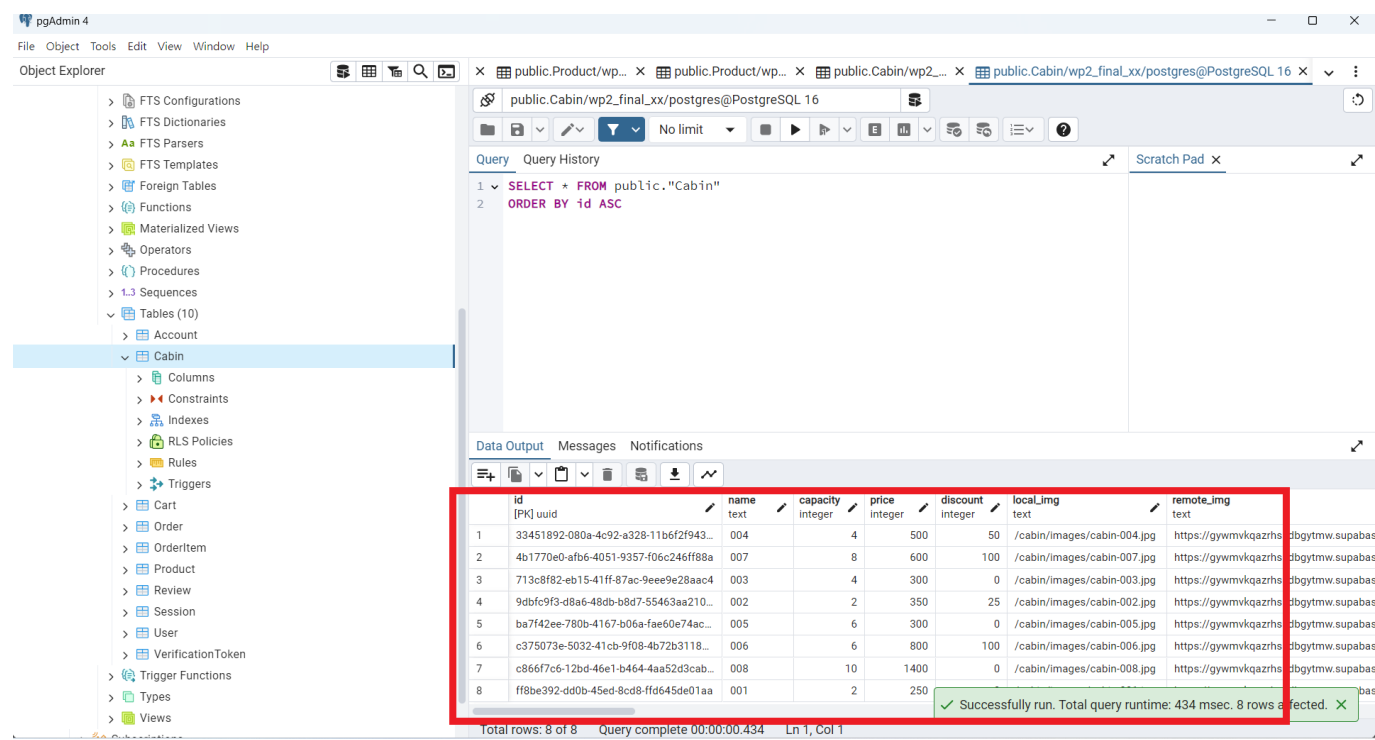
Total rows: 6 of 6 Query complete 00:00:00.250 Ln 1, Col 1

=> pgAdmin 顯示 user 6 筆資料

2 / 10



=> pgAdmin 顯示 cabins 8 筆資料



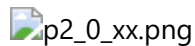
(10%) P2: 實作 TKUDemoDrawer

以 category-drawer_xx.tsx 為參考，複製一份到 tkudemo-drawer_xx.tsx 並修改之。

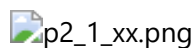
點選 Prostore_xx 可以連到路由 /prostore_xx，點選 Cabins_xx 可以連到路由 /cabins_xx。

以上項目及連結，請放入陣列中處理。

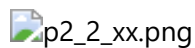
=> 會用到的檔案目錄



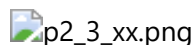
=> **Chrome** 顯示 **category-drawer_xx.tsx**



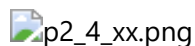
=> **Chrome** 顯示 **tkudemo-drawer_xx.tsx**



=> **Chrome** 顯示 點選 **Prostore_xx** 會連到 **/prostore_xx**



=> **Chrome** 顯示 點選 **Cabins_xx** 會連到 **/cabins_xx**



=> 直接附上 **tkudemo-drawer_xx.tsx** code

目前顯示的 code 是 category-drawer_xx.tsx

```
import { Button } from '@components/ui/button';
import {
  Drawer,
  DrawerClose,
  DrawerContent,
  DrawerHeader,
  DrawerTitle,
  DrawerTrigger,
} from '@components/ui/drawer';
import { getAllCategories } from '@lib/actions/product.actions_xx';
import { MenuIcon } from 'lucide-react';
import Link from 'next/link';

const CategoryDrawer_xx = async () => {
  const categories = await getAllCategories();

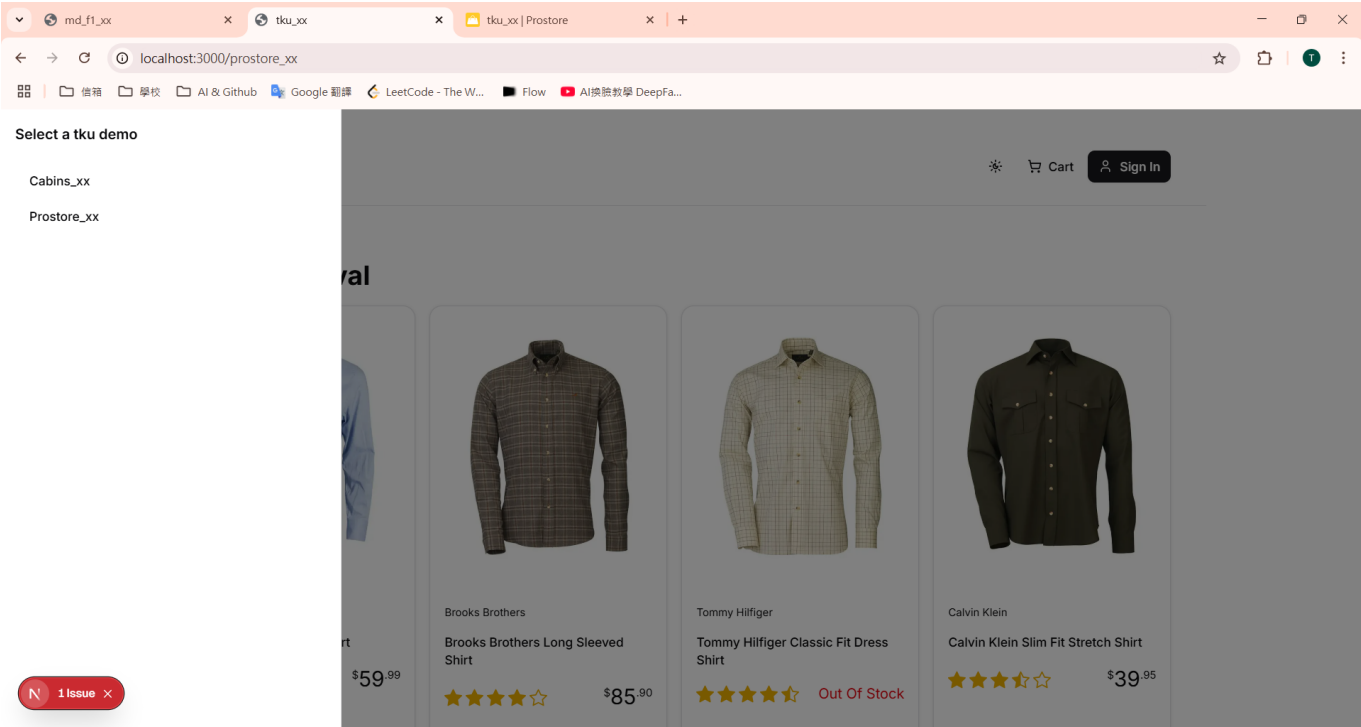
  return (
    <Drawer direction='left'>
      <DrawerTrigger asChild>
        <Button variant='outline'>
          <MenuIcon />
        </Button>
      </DrawerTrigger>
      <DrawerContent className='h-full max-w-sm'>
        <DrawerHeader>
          <DrawerTitle>Select a category</DrawerTitle>
          <div className='space-y-1 mt-4'>
            {categories.map((x) => (
              <Button
```

```
        variant='ghost'
        className='w-full justify-start'
        key={x.category}
        asChild
      >
        <DrawerClose asChild>
          <Link href={` /search?category=${x.category}`} >
            {x.category} ({x._count})
          </Link>
        </DrawerClose>
      </Button>
    </DrawerHeader>
  </DrawerContent>
</Drawer>
);
};

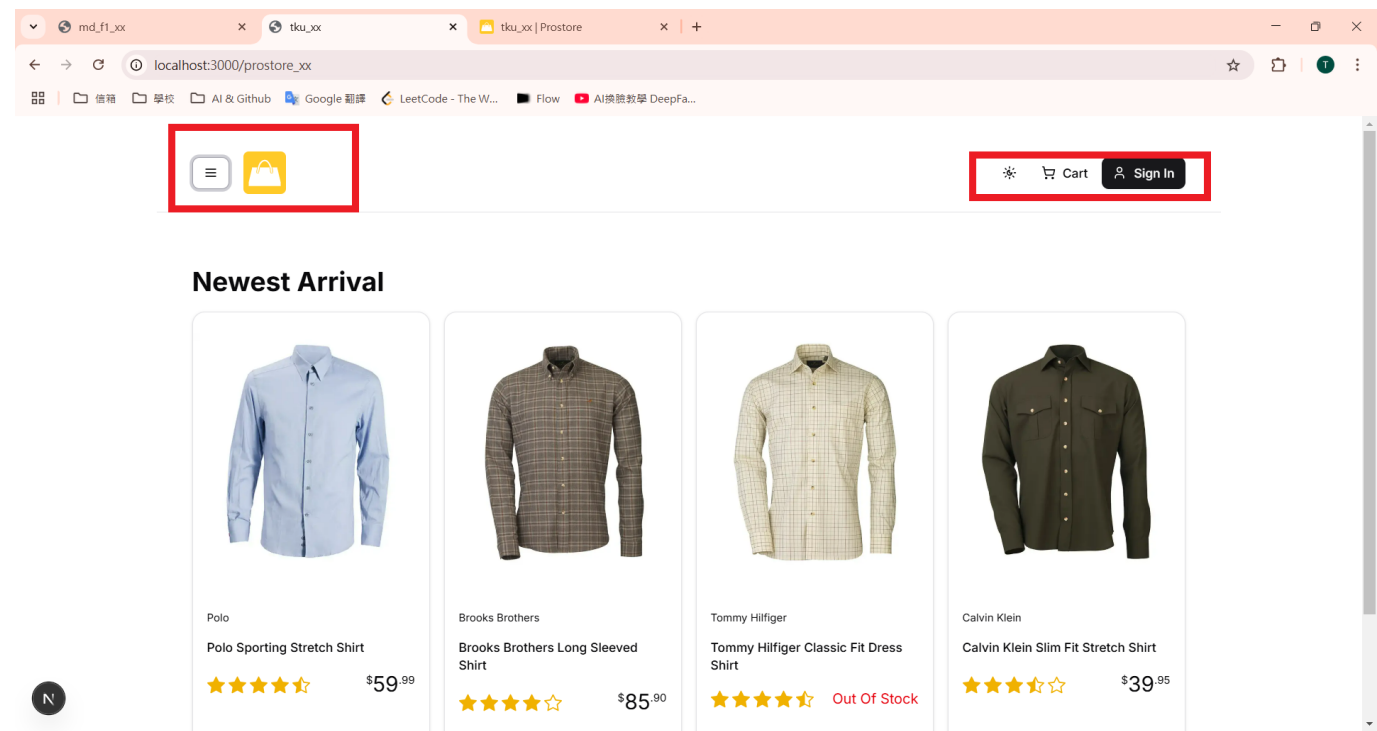
export default CategoryDrawer_xx;
```

Your Answer

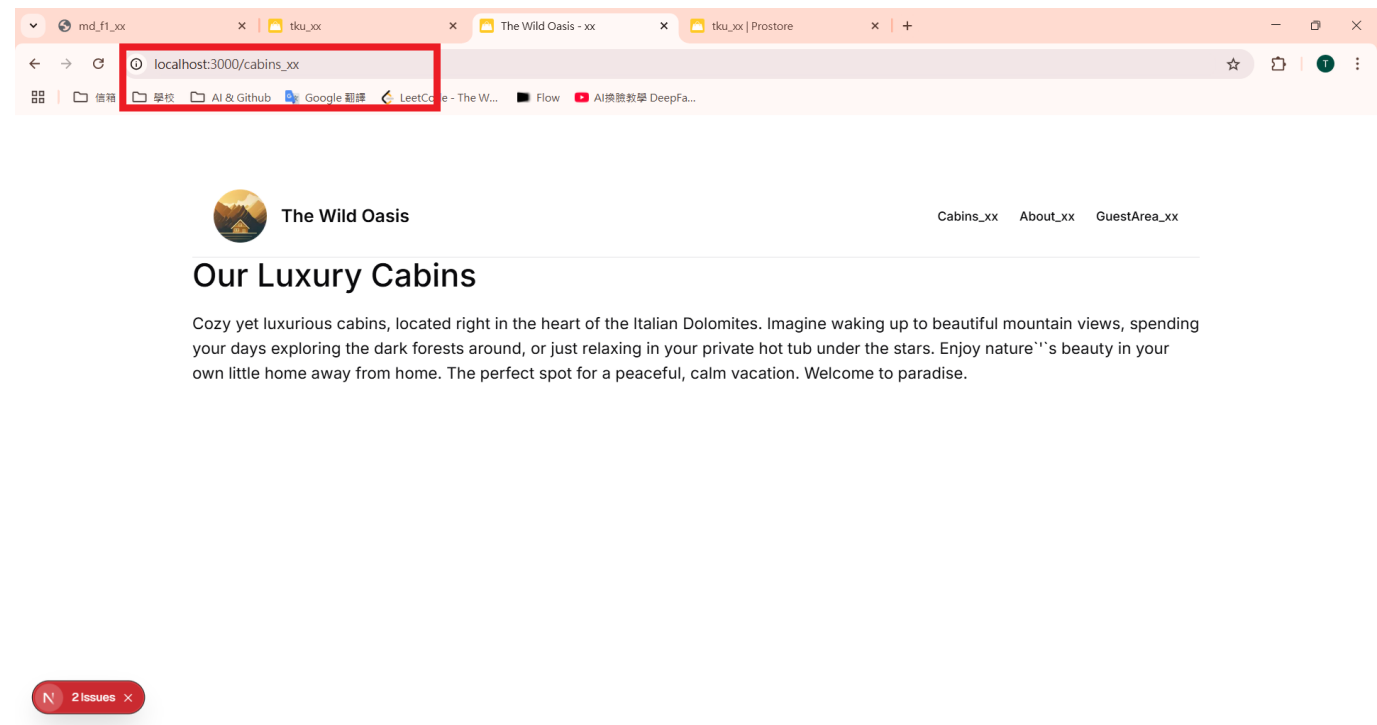
=> Chrome 顯示 tkudemo-drawer_xx.tsx



=> Chrome 顯示 點選 Prostore_xx 會連到 /prostore_xx



=> Chrome 顯示 點選 Cabins_xx 會連到 /cabins_xx



=> 直接附上 tkudemo-drawer_xx.tsx code

```
直接附上 tkudemo-drawer_xx.tsx code
```

```
import { Button } from '@components/ui/button'; import { Drawer, DrawerClose, DrawerContent, DrawerHeader, DrawerTitle, DrawerTrigger, } from '@components/ui/drawer'; import { MenuIcon } from 'lucide-react'; import Link from 'next/link';
```

```
const tkudemos = [ { title: 'Cabins_xx', href: '/cabins_xx', }, { title: 'Prostore_xx', href: '/prostore_xx', }, ];

const TKUDemoDrawer_xx = async () => { return (  Select a tku demo

{tkudemos.map((demo) => (  {demo.title} ))}

); };

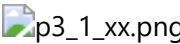
export default TKUDemoDrawer_xx;
```

(15%) P3: 實作 /cabins_xx，要從 local PostgreSQL 取得 cabin 8 筆資料，並能顯示

=> 檔案目錄

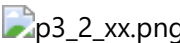
 

=> **Chrome** 顯示



Your Answer

=> **Chrome** 顯示



=> 顯示 /cabin_xx/page.js 之 code 重點

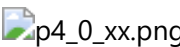
顯示 /cabin_xx/page.js 之 code 重點

=> 顯示 /lib/cabins/cabin_actions_xx.ts 相關 code

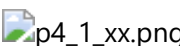
顯示 /lib/cabins/cabin_actions_xx.ts 相關 code

(10%) P4: 實作 /cabins_xx/about_xx

=> 會用到的檔案目錄

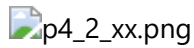


=> **Chrome** 顯示

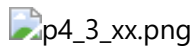


Your Answer

=> **Chrome** 顯示

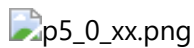


=> 顯示第一張圖片 **code** 之截圖

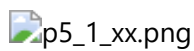


(10%) P5: 以 admin 身分登入，實作 Cabins CRUD 整體顯示畫面

=> 會用到的檔案目錄

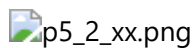


=> **Chrome** 顯示



Your Answer

=> **Chrome** 顯示

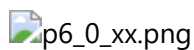


=> 顯示 **/admin/cabins/page.tsx code**

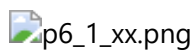
顯示 **/admin/cabins/page.tsx code**

(5%) P6: 以 admin 身分登入，實作 Cabins CRUD 之 Delete 功能

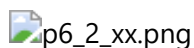
=> 會用到的檔案目錄



=> **Chrome**，點選刪除 **008** 出現的畫面

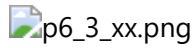


=> **Chrome**，刪除 **008** 後顯示的畫面

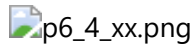


Your Answer

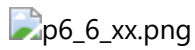
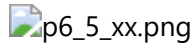
=> **Chrome**，點選刪除 **008** 出現的畫面



=> **Chrome**, 刪除 **008** 後顯示的畫面

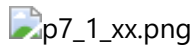


=> 顯示 **Delete** 相關 **code** 截圖



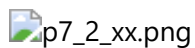
(10%) P7: 以 admin 身分登入，實作 Cabins CRUD 之 Edit 功能

=> 會用到的檔案目錄

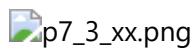


=> **Chrome**，點選 **Edit 007** 出現的畫面

將 Price 改成 700, Discount 改成 200



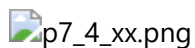
=> **Chrome**, 修改 **007** 後顯示的畫面



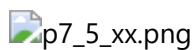
Your Answer

=> **Chrome**，點選 **Edit 007** 出現的畫面

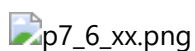
將 Price 改成 700, Discount 改成 200



=> **Chrome**, 修改 **007** 後顯示的畫面



=> 顯示 **updateCabin** 相關 **code** 截圖



=> 顯示 **update-cabin-form_xx.tsx code**

```
顯示 /admin/cabins/[id]/update-cabin-form_xx.tsx code
```

