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IERG4210 Assignment Phase 2A & 2B



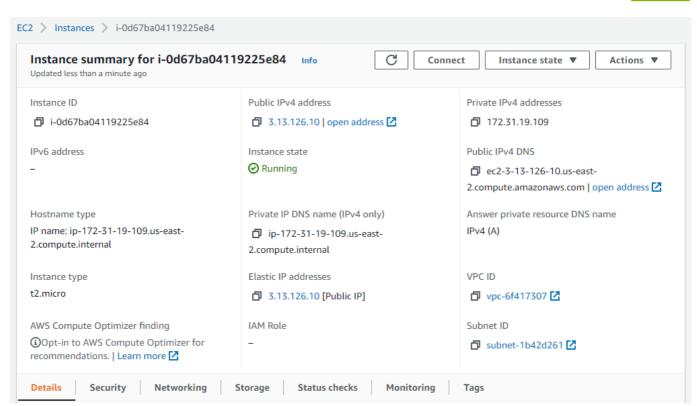
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Please click here for the GitHub page.

Please visit http://3.13.126.10 or http://s1155127347.ierg4210.ie.cuhk.edu.hk to mark my assignment, thank you!

Phase 2A marking checklist

1. Instantiate a free Virtual Cloud Machine (Amazon EC2 recommended or other free VPS).



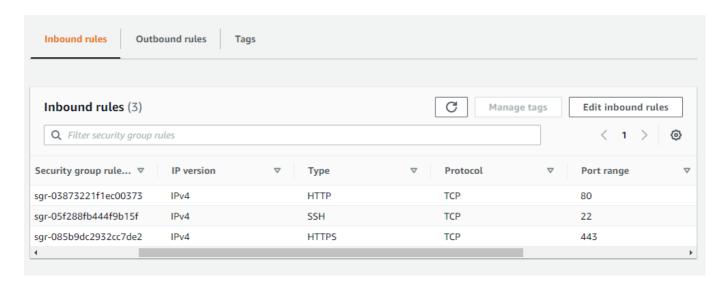
2. Apply necessary security configurations.

complete

Apply proper firewall settings to your VM: block all ports except 22, 80 and 443 only

complete

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- Apply proper updates for the server software packages in a regular manner - Hide the versions of OS, Apache, and PHP in HTTP response headers

complete complete

```
C:\Users\User>curl -I 3.13.126.10
HTTP/1.1 200 OK
Date: Mon, 21 Feb 2022 10:45:08 GMT
Server: Apache
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Set-Cookie: PHPSESSID=u22u9docm81vcp2nf0gbrfdtej; path=/
Upgrade: h2,h2c
Connection: Upgrade
Content-Type: text/html; charset=UTF-8
```

- Do not display any PHP warnings and errors to the end users - Disable directory index in Apache

complete complete



You don't have permission to access this resource.

- 3. Configure the VM so that your website is accessible at http://s1155127347.ierg4210.ie.cuhk.edu.hk

• Submit your elastic IP through the provided Google Form link before 5pm, Feb 13, 2022

• TAs will then assign you a domain name and configure the DNS mapping for you

Apply for an elastic public IP, and ALWAYS associate it with the instantiated VM

- . Unload all voice and to the compart Theoret and the contract to the contract to
- Upload all your pages to the server. They should then be accessible through:
 - http://3.13.126.10, or
 - http://s1155127347.ierg4210.ie.cuhk.edu.hk

Phase 2B marking checklist

1. SQL: Create a database with the following structures

complete

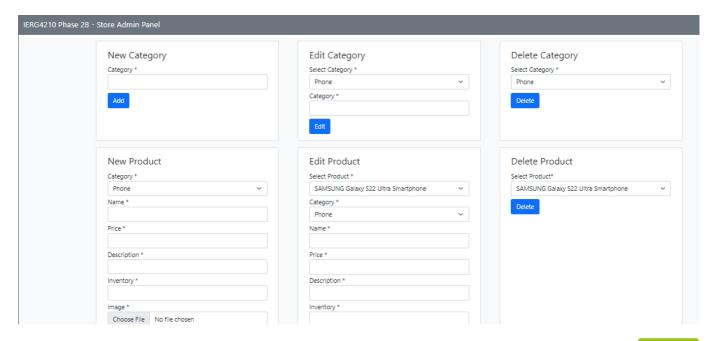
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sglite> .schema CREATE TABLE CATEGORIES (CATID INTEGER PRIMARY KEY, NAME TEXT); CREATE TABLE PRODUCTS (PID INTEGER PRIMARY KEY, CATID INTEGER, NAME TEXT, PRICE REAL, DESCRIPTION TEXT, INVENTORY INTEGER, FILENAME TEXT, FOREIGN KEY(CATID) REFERENCES CATEGORIES(CATID)); CREATE INDEX I1 ON PRODUCTS(CATID);

A table for categories

- o Required columns: catid (primary key), name
- Data: at least 2 categories of your choice
- A table for products (supposed to submit the list to PayPal, currently no function)

- Required columns: pid (primary key), catid, name, price, description
- Data: at least 2 products for each category
- 2. HTML, PHP & SQL: Create an admin panel http://3.13.126.10/admin/admin.php



Design several HTML forms to manage products in DB

Dropdown menu to select catid according to its name

Input fields for inputting name, price

Textarea for inputting description

reasonable ways)

- File field for uploading an image (format: jpg/gif/png, size: <=10MB)
 - For the file uploaded, store it with its name based on the unique lastInsertId() (or other
- Design several HTML forms to manage categories in DB

3. HTML, PHP, SQL: Update the main page created in Phase 1

Populate the category list from DB

- Based on the category selected by the user, populate the corresponding product list from DB complete

- Is reflected as a query string in the URL
- 4. HTML, PHP & SQL: Update the product details page created in Phase 1

Display the details of a product based on its DB record

Display the inventory of a product based on its DB record

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5. Support of automatic image resizing for product images

complete

- When a large image is uploaded, the server will resize it and show a thumbnail image in the panel
- On the main page, display thumbnails. On the product description page, display the larger image.

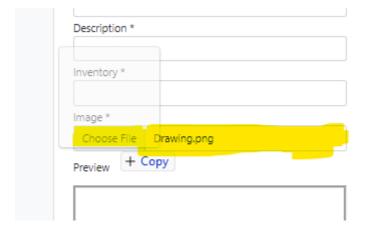
complete

6. Supporting HTML5 Drag-and-drop file selection in the admin panel

complete

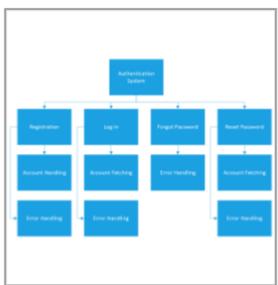
• Create a dropping area that takes an image

complete



- Display a thumbnail (i.e. smaller width and height) if the dropped file is an image; reject it otherwise

Drawing.png



Edit

Image *

Preview

Choose File