

PHAN, Nguyen Hanh Nhi  
3035709576

*IMSE2113 Information System*

## COMPREHENSIVE USER GUIDE

### Lululemon store Inventory Management System

#### ABOUT

The system's purpose is to help employees of lululemon retail store across Hong Kong manage their inventory position, replenishments and keep track of the staff records. The level of management is identified as below, following by their authorities:

1. Store managers/Assistant store managers (Administrators)
  - Item management: log new items with item information, manage existing items
  - Staff management: register new staffs, manage staff's profile, assign/unassign items to staff.
2. Educators (Web users): after signing in
  - Item management: log new items with item information.
  - View logged activities: view your assigned items.
  - Personal information management: see your profile, change password.

#### LOGIN CREDENTIALS

##### Store managers (Administrators)

Username: imse2113admin

Password: imse2113admin

##### Educators (Users)

###### 1. Test user 1

Username: imse2113user1

Password: 12345678hku123

###### 1. Test user 2:

Username: imse2113user2

Password: 12345678hku

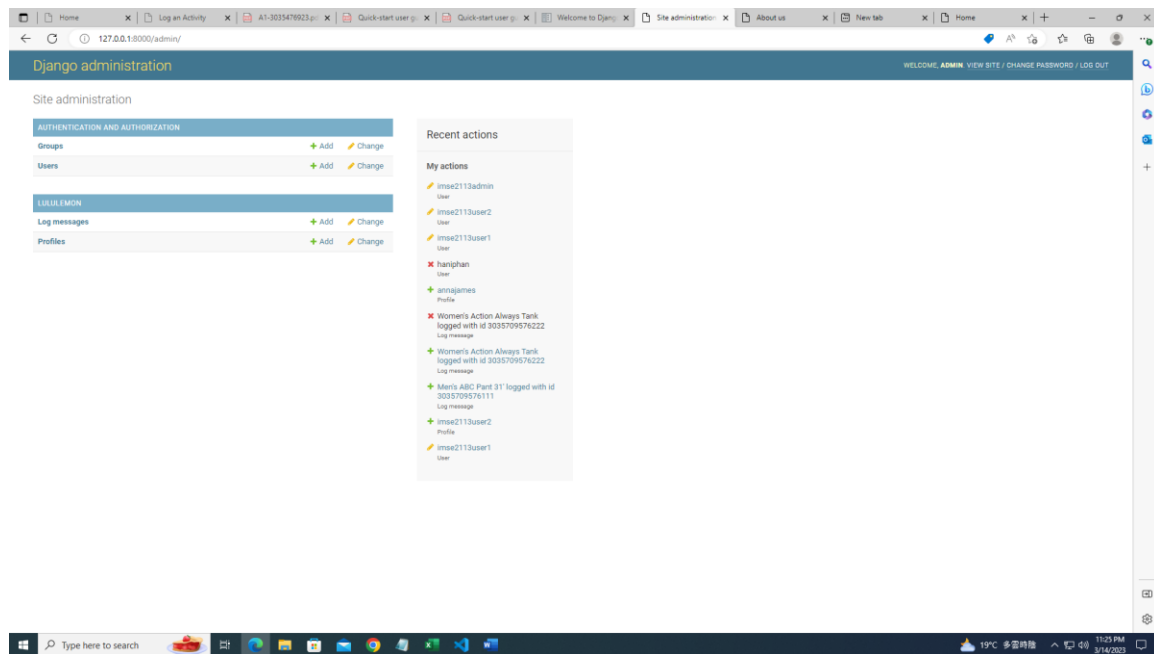
#### SET UP

1. Run Visual Studio Code with Python 3.10 installed.
2. Download, Extract all and open the project folder "Django\_3035709576".
3. Activate the virtual environment: Settings/Command Palette/Python: Select Interpreter/Python 3.10.1 64-bit ('Django-env': venv)

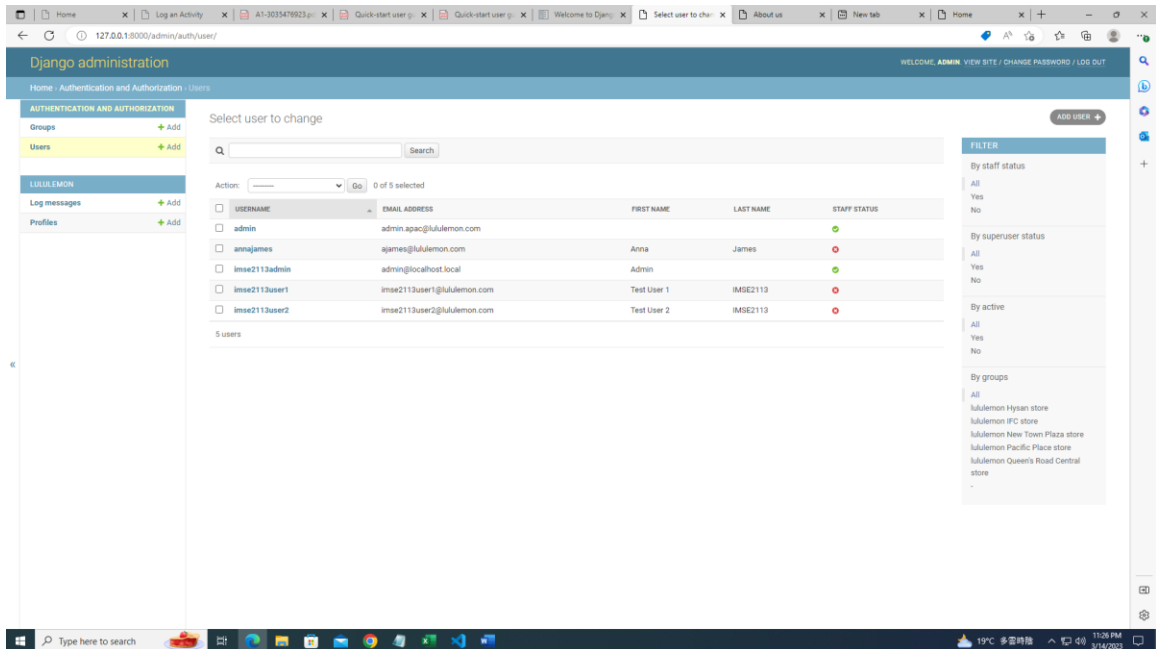
4. Open a new Terminal (Command Prompt as Default), prefix of the command should be (Django\_env), run the following commands:
  - python -m pip install --upgrade pip
  - pip install django
  - pip install django==3.2.11
  - pip install django-crispy-forms
  - python manage.py makemigrations
  - python manage.py migrate
  - python manage.py runserver (main command to start the program)

## FEATURES OF ADMINISTRATORS

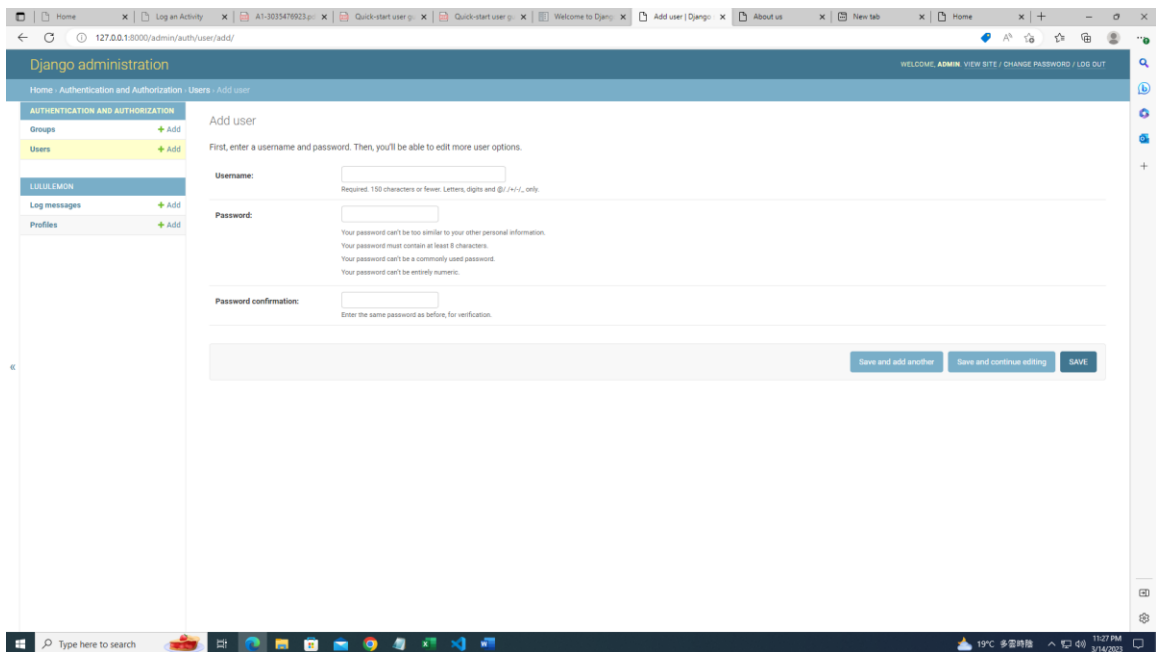
Website: [Site administration | Django site admin \(http://127.0.0.1:8000/admin/\)](http://127.0.0.1:8000/admin/)



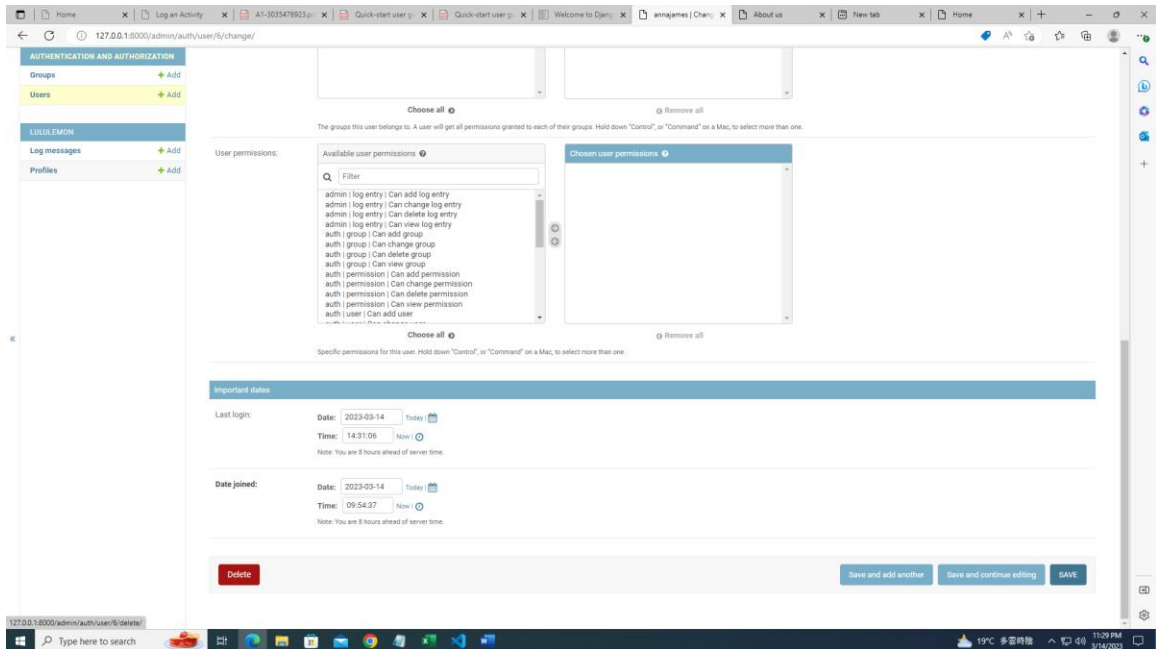
### 1. Staff Management



- Register new groups or users: To add new user, click on “Add user” in the top right corner and fill in the according information, hit Save.

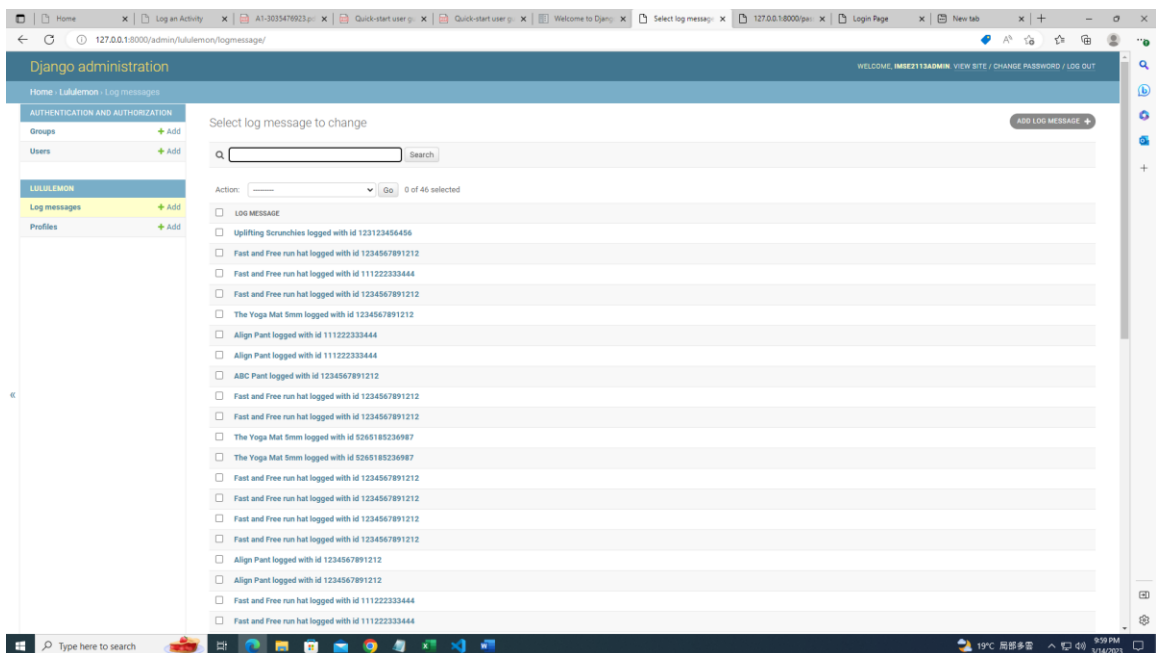


- To edit/delete a user: Select the user, you can edit their basic information, permission, dates or entirely delete the user.



## 2. Item Management:

- To log Activity/Item, select “Log message” under “LULULEMON”. All the logged activities will be displayed as below:



- To assign user to an item, select “Add log message” on the top right corner. Input the following information: staffname (who do you want to assign the item to), QR Code (13-

digit identification number of the product), Product (name of the product/item), Date logged (will be automatically logged based on the current time). Hit save.

The screenshot shows the Django administration interface for 'Luluemon'. The left sidebar contains a menu with 'AUTHENTICATION AND AUTHORIZATION' (Groups, Users), 'LULUEMON' (Log messages, Profiles), and a search bar. The main content area is titled 'Add log message'. It contains the following fields:

- Staffname:** A text input field with the value 'imse2113user1'.
- Qrcode:** A text input field with the value '3035709576111'.
- Product:** A large text area with the value 'Men's ABC Pant 31'.
- Date logged:** A section containing a date picker set to '2023-03-14', a time picker set to '21:59:44', and a note: 'Note: You are 8 hours ahead of server time.'

At the bottom right of the form are three buttons: 'Save and add another', 'Save and continue editing', and 'SAVE'.

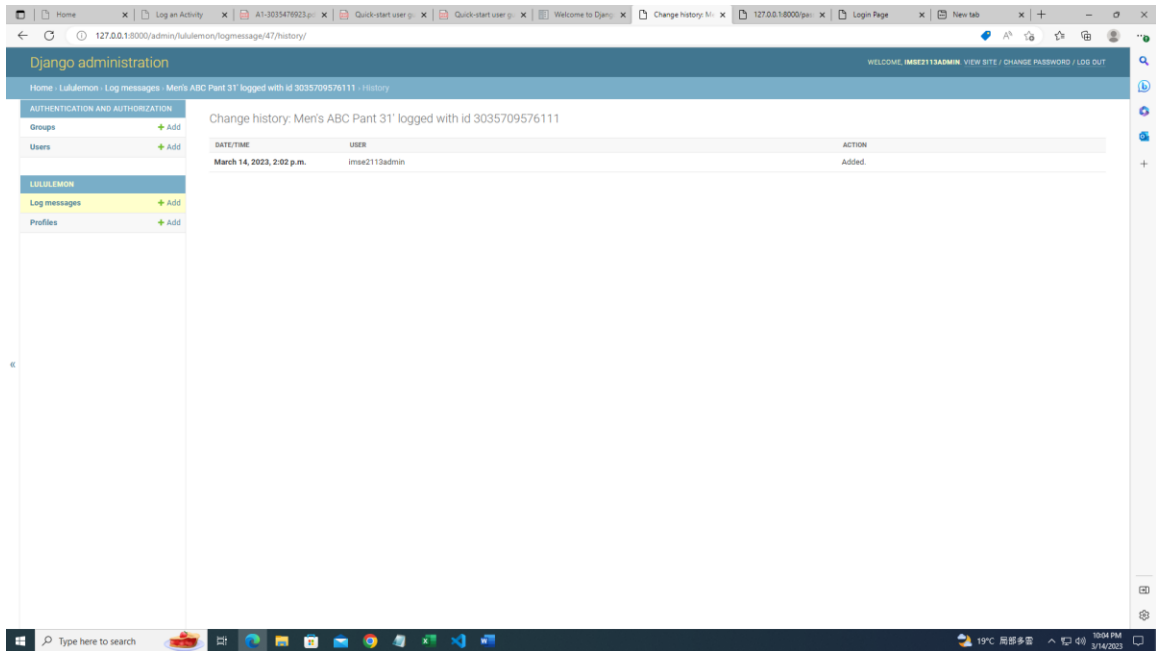
- Below is an example for assigning a product to user “imse2113user1”.

This screenshot shows the same 'Add log message' form as the previous one, but with different data entered:

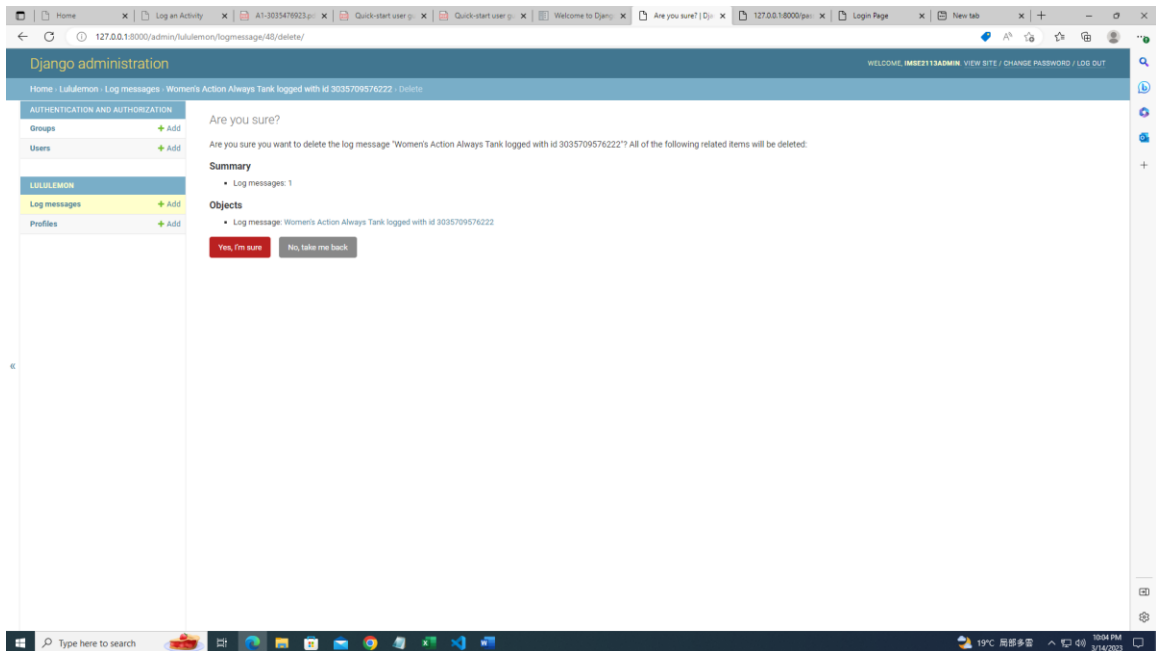
- Staffname:** 'imse2113user2'.
- Qrcode:** '3035709576222'.
- Product:** 'Women's Action Always Tan'.
- Date logged:** The date is still '2023-03-14', but the time has changed to '22:02:45'. The note remains: 'Note: You are 8 hours ahead of server time.'

The same three buttons ('Save and add another', 'Save and continue editing', 'SAVE') are present at the bottom right.

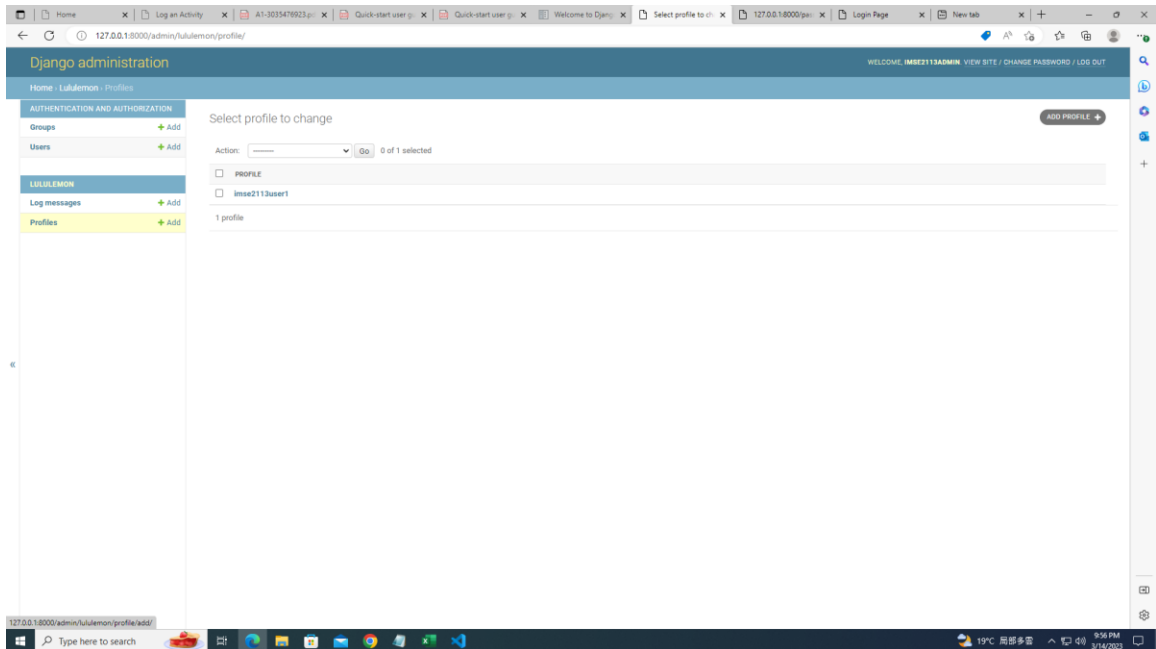
- Check the history of the logged activities of the user by selecting “History” on the top right corner.



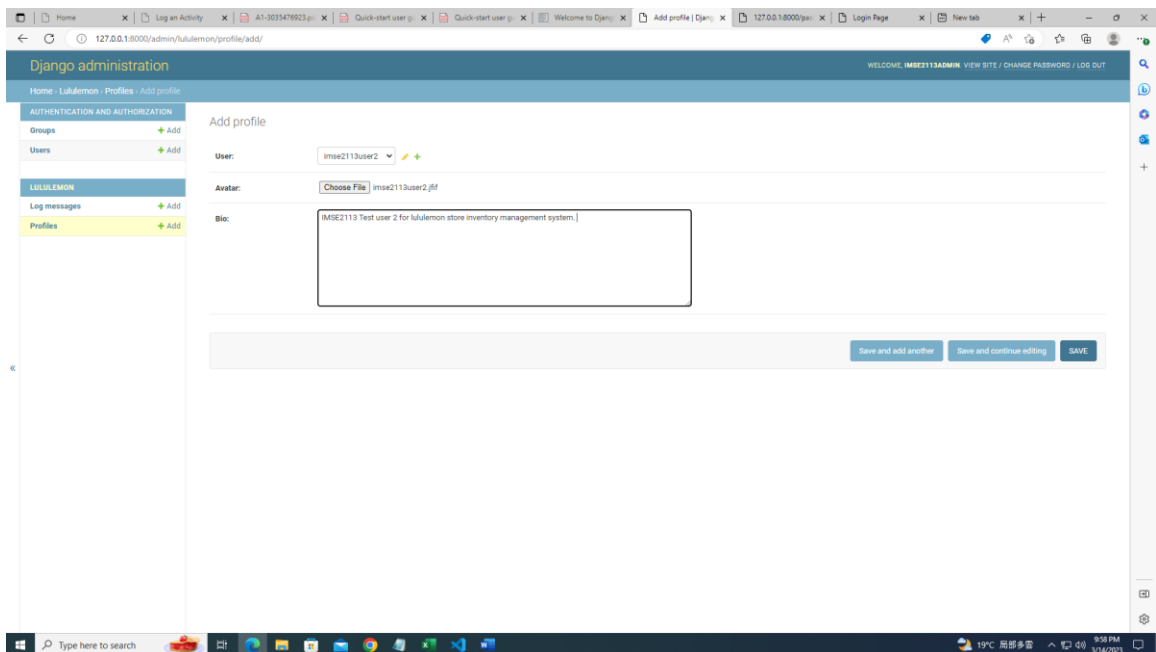
- To unassign an item to a user: select the logged activity, “Delete” and “Yes, I’m sure” to unassign.



- To create profile for users: Select “Profile” under “LULULEMON”. A list of users whose profiles have been updated will be shown as below.



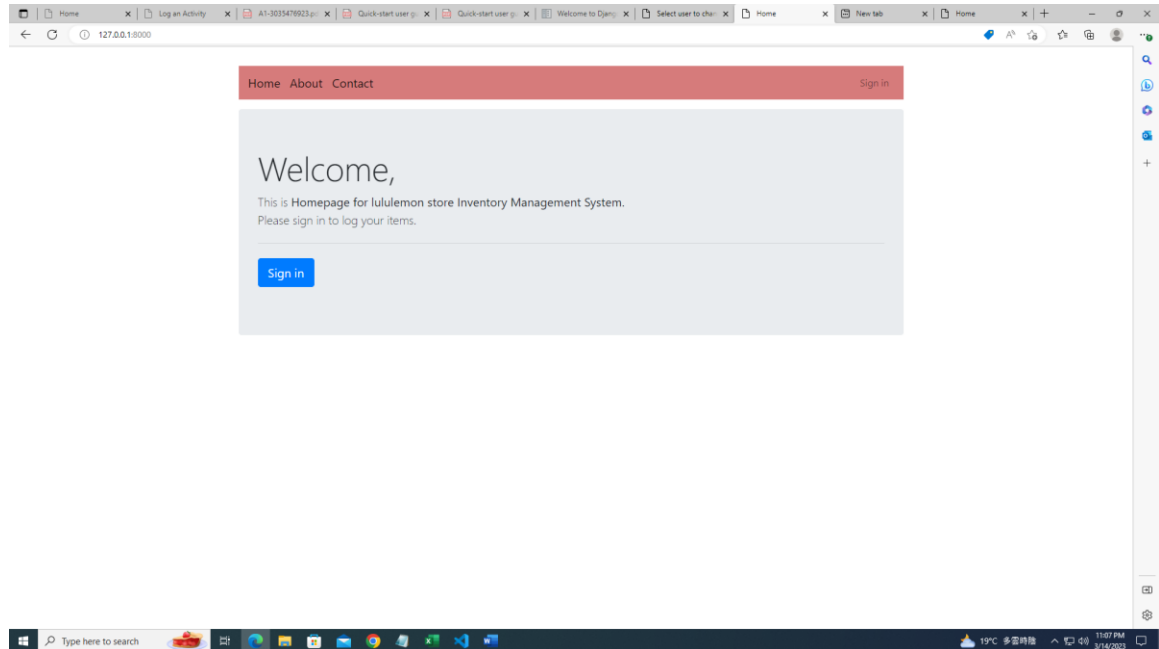
- To create a new profile for a registered user: Select “add profile” on the top right corner. Select among the current user by clicking the drop down box, upload a profile picture of the user by clicking “Choose File”, write a bio about the user, then hit Save.



## FEATURES OF USER

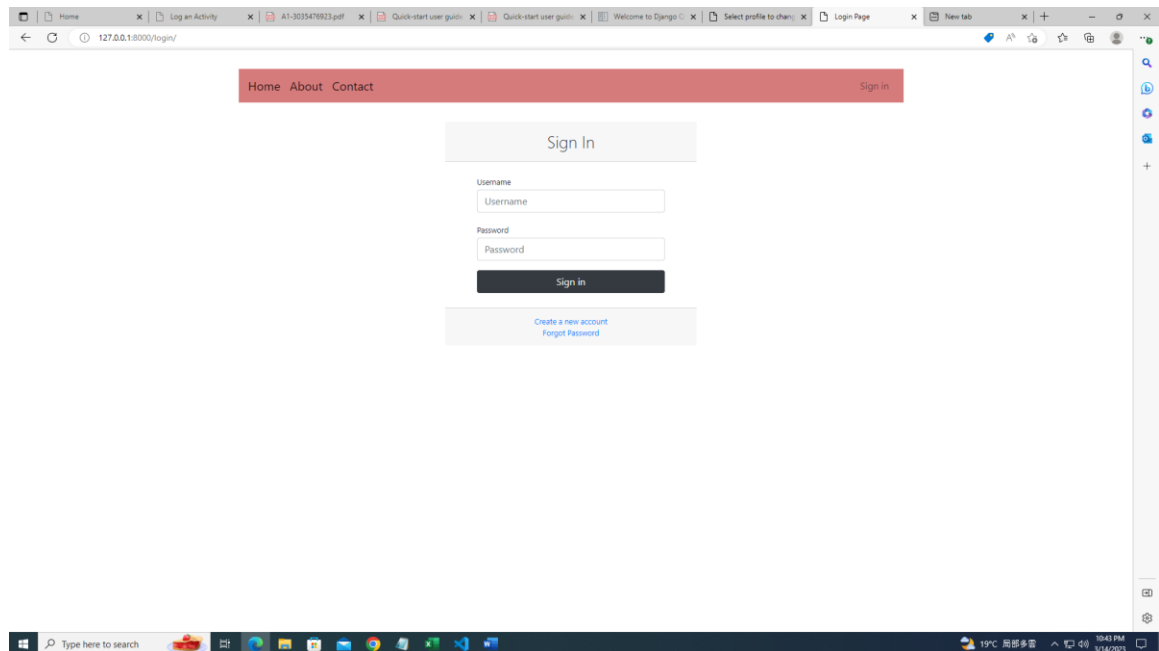
Website: [Home](http://127.0.0.1:8000/) (<http://127.0.0.1:8000/>)

When the user is not logged in, the website will be shown as below:



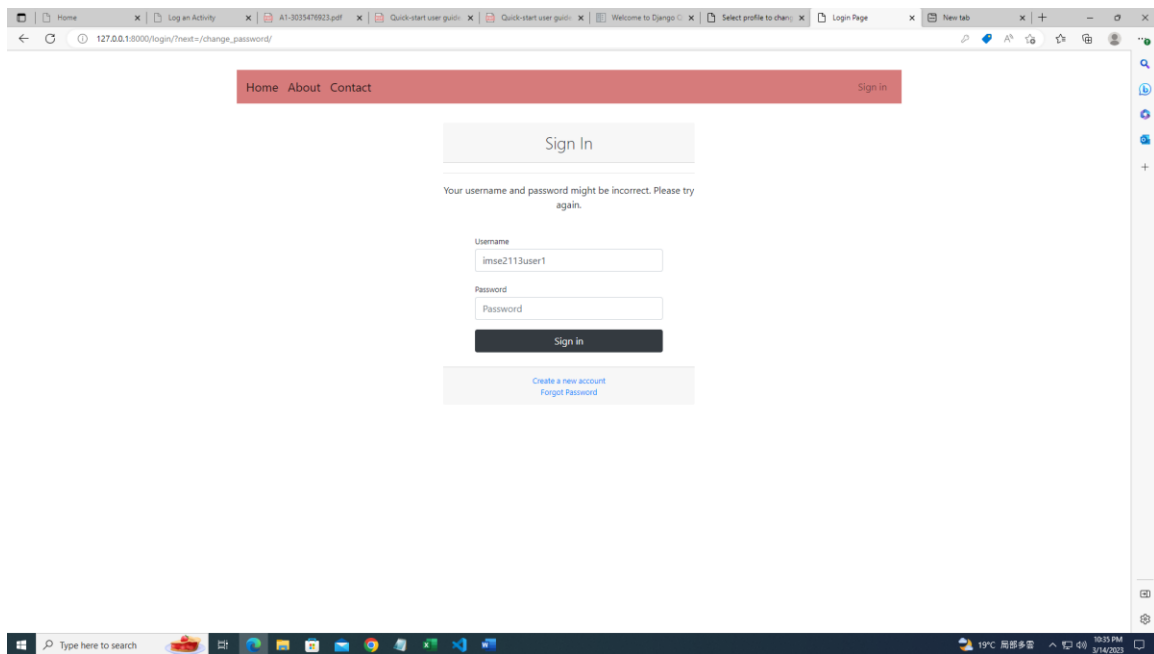
### 1. Sign in:

- To sign in, click on “Sign in” and input the login credentials.

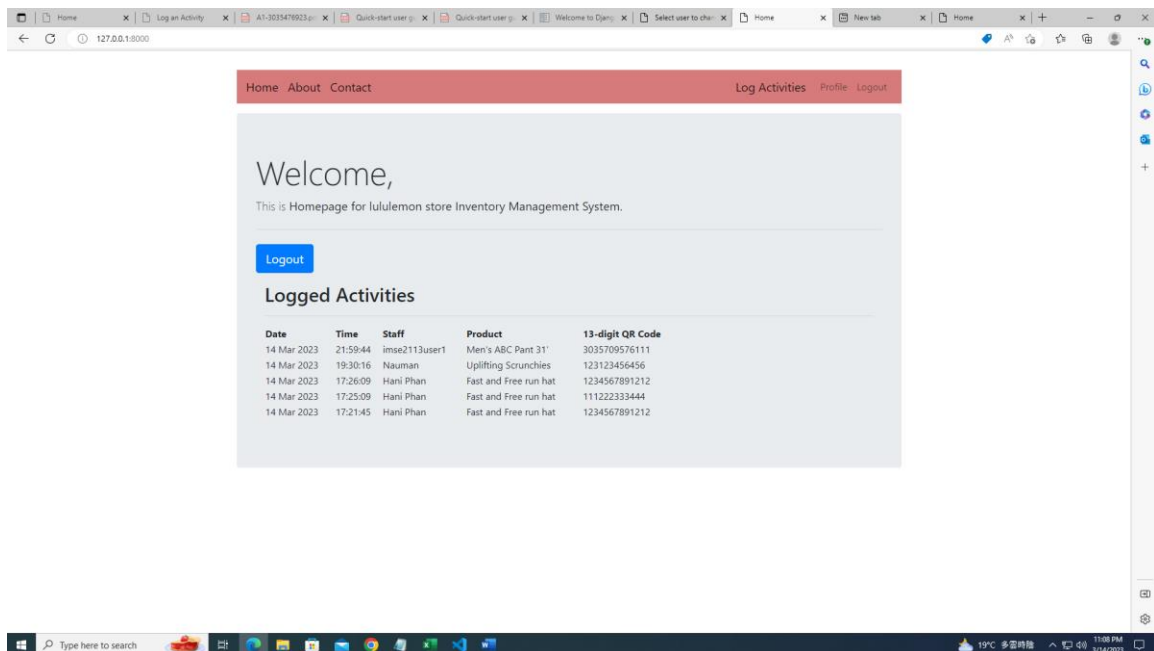




- If the user's login information is not correct, the page will ask you to re-input.



- After logging in, this is the homepage of user. The navigation bar will show “Log Activities”/”Profile”/”Logout” which is only visible to authenticated users. They now can view all logged activities made by administrators or other users. They can also logout, view their profile, make changes to their profile or log activities.



## 2. Log items/activities:

- input their username, product name, and 13-digit QR Code, hit “Log”.

The screenshot shows a web browser window with the URL `127.0.0.1:8000/log/`. The page has a red header bar with links: [Home](#), [About](#), [Contact](#), [Log Activities](#), [Profile](#), and [Logout](#). The main content area contains three input fields: "Enter Username" with the value `Imse2113user1`, "Enter Product Name" with the value `The Yoga Mat 5mm`, and "Enter 13-digit QR Code" with the value `1234567891212`. Below these fields is a dark grey "Log" button. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 19°C, the location "周部多雲", and the time "10:37 PM 3/14/2023".

## 3. To view or make changes to user profile:

- Select “Profile”. User can change their username, email, and bio. Hit save or reset.

The screenshot shows the same web browser window, but the URL is `127.0.0.1:8000/profile/`. The header bar is identical. The main content area displays the user's profile information. It starts with a "Username:" label followed by an input field containing `Imse2113user1`. Below this is an "Email:" label followed by an empty input field. A blue link "Change Password" is positioned below the email field. Next is a "Change Avatar:" section with a "Choose File" button and the text "No file chosen". Below that is a "Bio:" label followed by a text area containing the text `IMSE2113 test user 1 for lululemon store inventory management system.` At the bottom of the form are two dark grey buttons: "Save Changes" and "Reset". The browser's taskbar and system tray are the same as in the previous screenshot.

- To change password: Select “change password”. Input old password, new password and confirm.

The screenshot shows a web browser window with the URL `127.0.0.1:8000/change_password/`. The page has a red navigation bar at the top with links: [Home](#), [About](#), [Contact](#), [Log Activities](#), [Profile](#), and [Logout](#). The main content area is titled "Change Your Password" and contains three input fields: "Old Password" (with placeholder "Enter Old Password"), "New Password" (with placeholder "Enter New Password"), and "New Password Confirmation" (with placeholder "Confirm New Password"). Below these fields is a dark grey button labeled "Update Password". The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with a temperature of 19°C and the date 18/12/2023.

#### 4. Log out of the system:

- Select “Logout”, the logout view will be shown as below:

The screenshot shows a web browser window with the URL `127.0.0.1:8000/logout/`. The page has a red navigation bar at the top with links: [Home](#), [About](#), [Contact](#), and [Sign in](#). The main content area displays the message "You have been logged out" followed by "Thank you for using the lululemon store Inventory Management System. Please contact store managers or HK SSC if you have any inquiries." Below this text is a blue button labeled "Sign in again". The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with a temperature of 19°C and the date 18/12/2023.

## 5. Create a new account

- Under “Sign in”, select “Create a new account”. Fill in all the necessary information as below, hit Sign up.

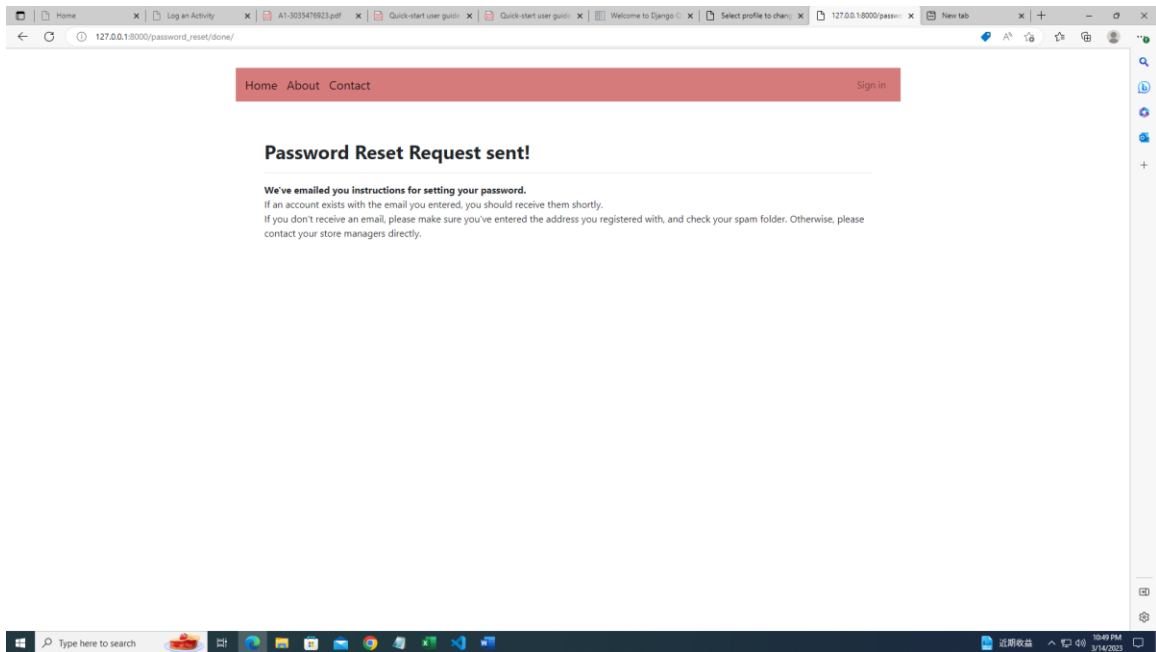
The screenshot shows a web browser window with the URL `127.0.0.1:8000/register/`. The page has a red navigation bar at the top with links for 'Home', 'About', 'Contact', and a 'Sign in' button. The main content area is titled 'Create Account' and contains a form with the following fields: 'First Name', 'Last Name', 'Username', 'Email', 'Password', and 'Confirm Password'. Below the form is a dark 'Sign Up' button. At the bottom of the form area, there is a link that says 'If you already have an account, please sign in here'. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 19°C and the date 3/14/2023.

## 6. Reset password

- If user forget password, select “Forget password” under the “Sign in”, they will be directed to a page where their email for the registered account is required.

The screenshot shows a web browser window with the URL `127.0.0.1:8000/password_reset`. The page has a red navigation bar at the top with links for 'Home', 'About', 'Contact', and a 'Sign in' button. The main content area is titled 'Reset Password'. Below the title, there is a text prompt: 'Forgotten your password? Enter your **lululemon work email** below, we'll email instructions for resetting your password.' This is followed by an 'Email\*' input field. Below the input field is a blue 'Send email' button. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 19°C and the date 3/14/2023.

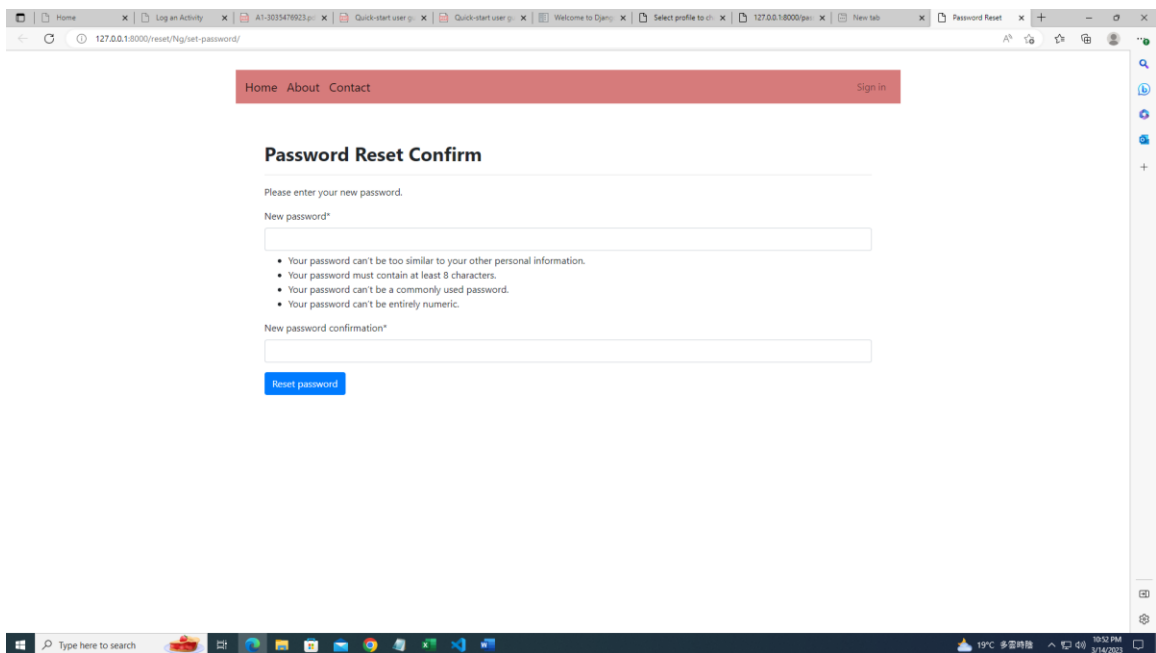
- After submitting the email, the notification will show.



- For testing, in the terminal, the password\_reset.txt will output a link for resetting password as below:

<http://127.0.0.1:8000/reset/Ng/bl2q1s-9e753e4c40d60800ba0f1b4b072c183a/>

- Password Reset Confirm



- Reset password complete.

