

1. Introduction

The objective of this document is to detail the testing approach for the internet forensics application, including the test cases and the associated test evidence.

2. Testing Approach – Group 2

The testing involves manual and automated testing

The automated tests, which are written using Django's test utility also need to be tested, hence the requirement for manual testing, to verify the automated tests work correctly

3. Automated Testing

The following commands need to be entered :

- pip install pytest
- python tests.py

Enclosed is the evidence from running the tests.py file:

```
Requirement already satisfied: packaging in c:\users\janea\appdata\local\programs\python\python311\lib\site-packages (from pytest) (22.0)
```

```
Requirement already satisfied: pluggy<2.0,>=0.12 in c:\users\janea\appdata\local\programs\python\python311\lib\site-packages (from pytest) (1.0.0)
```

```
Requirement already satisfied: colorama in c:\users\janea\appdata\local\programs\python\python311\lib\site-packages (from pytest) (0.4.6)
```

```
PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics>
```

```
PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics> python test.py
```

```
C:\Users\janea\AppData\Local\Programs\Python\Python311\python.exe: can't open file 'C:\\Users\\janea\\OneDrive\\Documents\\GitHub\\DjangoForensics\\test.py': [Errno 2] No such file or directory
```

```
PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics> cd Group2
```

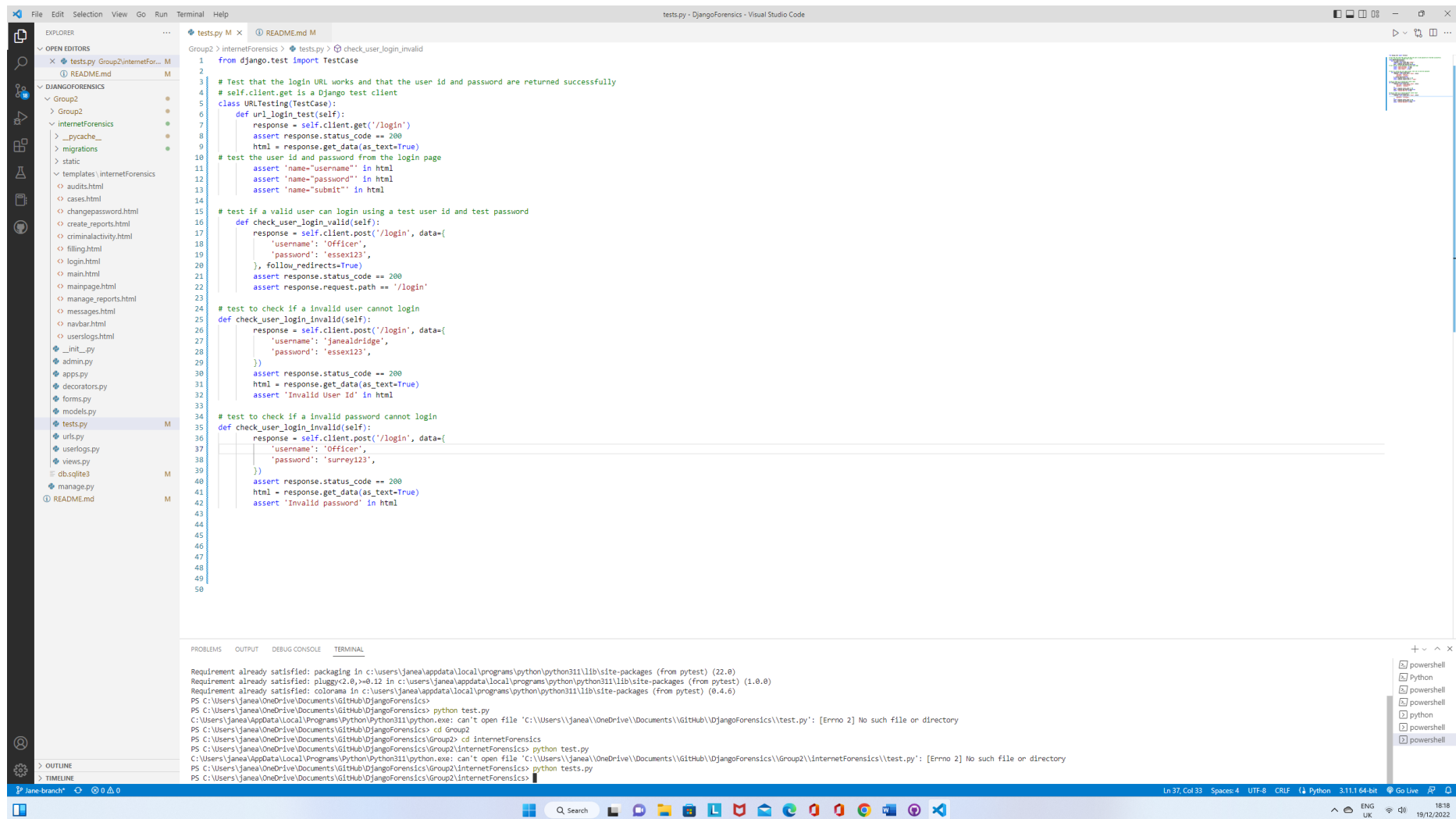
```
PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics\Group2> cd internetForensics
```

```
PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics\Group2\internetForensics> python test.py
```

C:\Users\janea\AppData\Local\Programs\Python\Python311\python.exe: can't open file 'C:\\Users\\janea\\OneDrive\\Documents\\GitHub\\DjangoForensics\\Group2\\internetForensics\\test.py': [Errno 2] No such file or directory

PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics\Group2\internetForensics> python tests.py

PS C:\Users\janea\OneDrive\Documents\GitHub\DjangoForensics\Group2\internetForensics>



4. Design Requirements

The below test cases cover functional and security testing, and also test against the design requirements, as documented in the design proposal document:

‘Sprint One will be a 4 week sprint, and will focus on the current top OWASP threats (See Appendix in Design Document). The sprint will include a mitigation from each of the first one to seven OWASP categories’

Scope as defined in the design proposal:

Threat Mitigation Category	Proposed Threat Mitigation Changes	OWASP	STRIDE
Authorization	<ul style="list-style-type: none"> User permissions and roles An administrator UI where a locked user can be unlocked, and where new users can be added and leavers de-activated 	Yes	Yes
Multi-factor Authentication	<ul style="list-style-type: none"> Password standards OTP Three attempts to logon 	Yes	Yes
Input Validation	<ul style="list-style-type: none"> Logon UI which includes input validation Server-side input validation 	Yes	Yes
Encryption	<ul style="list-style-type: none"> Encryption of data in transit and at rest 	Yes	Yes
Security Misconfiguration	<ul style="list-style-type: none"> Implementation of the MVC architecture pattern 	Yes	No

5. Sprint One – Scope Changes

5.1 New Functionality added to Sprint One Scope

Sprint one scope was changed to include the following:

- For sprint one, in order to be able to test permissions and user roles adequately, we also developed a dashboard, where access to different functions is dependent on the user role and associated permissions.
- A CSRF token was implemented, which mitigates the risk of cross site request forgery :

‘In any template that uses a POST form, use the **csrf_token** tag inside the **<form>** element if the form is for an internal URL’
(<https://docs.djangoproject.com/en/4.1/howto/csrf/>) Django website

- If a user is already authenticated and tries to navigate to the login page this is prevented.
- A logout function was added, to provide the user with the ability to logout of the application.
- If a user is logged out then the user cannot navigate to the admin or main dashboard page.

5.2 Functionality which will now be included in Sprint Two

The following functionality was taken out of scope for Sprint One, and will be included in Sprint 2. The changes detailed in section 3.1 were determined to be of a higher priority or required for sufficient testing of user roles and permissions:

- OTP functionality – will be included in sprint 2
- Three attempts to login – will be included in sprint 2

5.3 Out of Scope

The objective of the testing is not to test the Django framework, but the code which the team has written :

- The Django admin page and functionality is part of the Django web framework and is out of scope for testing
- Libraries are excluded for testing
- The password encryption is excluded because this is provided by Django

6.0 Testing Phases

The testing approach was to plan for three cycles of testing

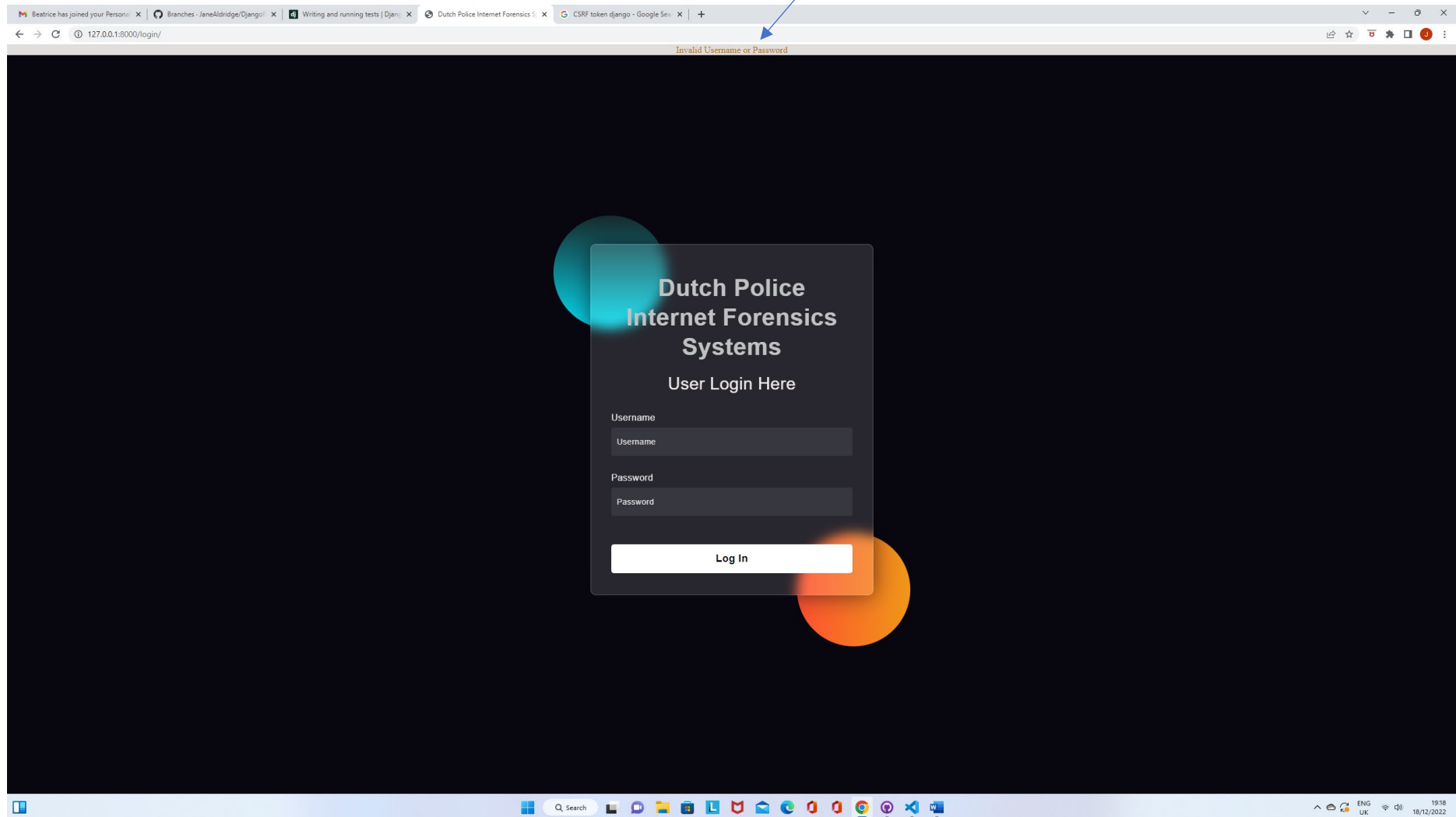
All the tests planned for cycle 1 sprint one passed

7.0 Test Cases and Test Results

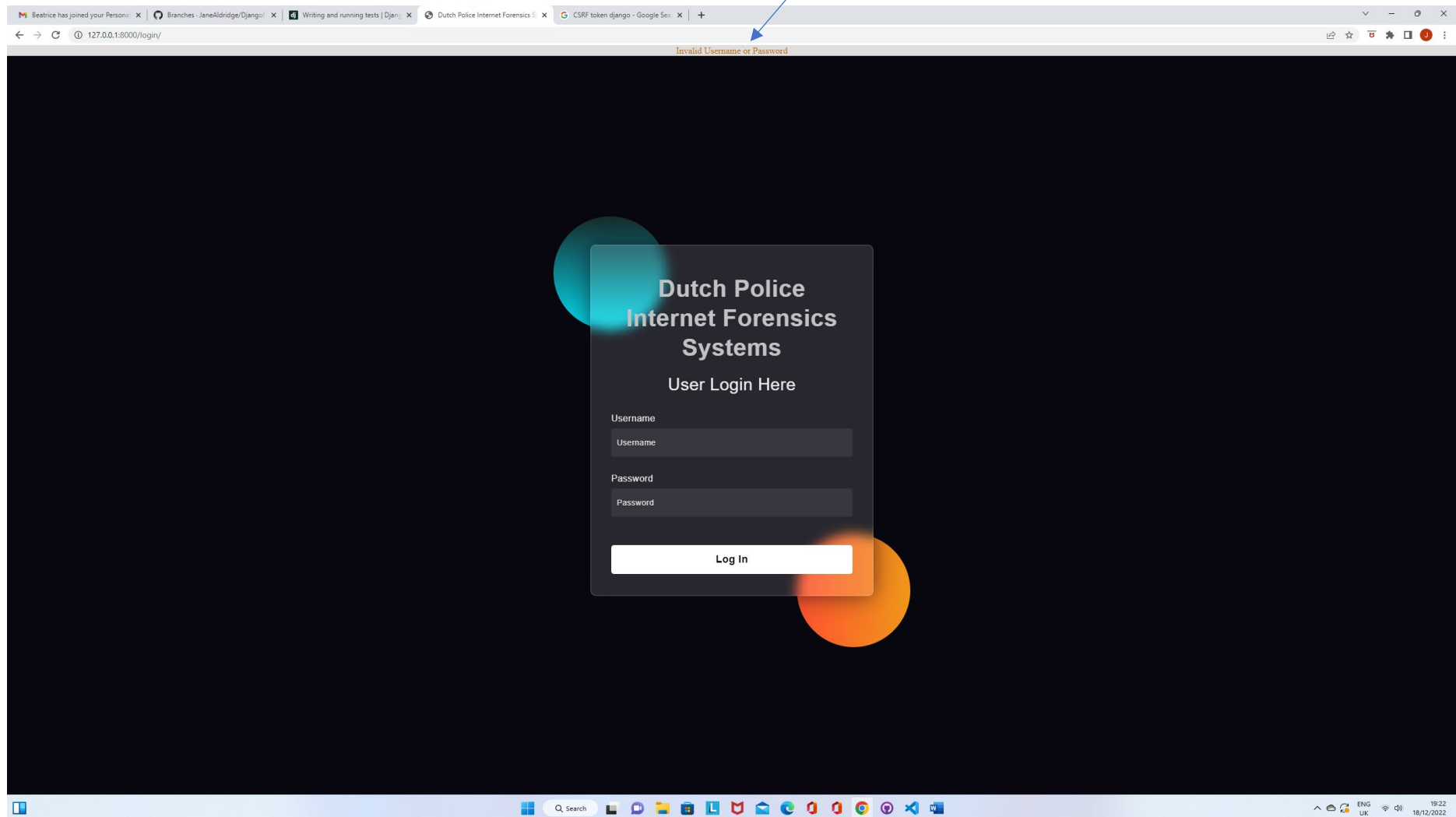
Test Group	Security or Functional Test Type	Design Requirement which was in scope for the first sprint – Threat Mitigation Category	Function being tested	Test Id	Test Description	Data entered (where applicable)	Expected Result - Valid/Invalid Data Entry	Pass/Fail	Testing cycle when test passed
1	Security – Confidentiality	Multi-factor authentication Input validation	Login Functionality – User Id	1.1	Enter spaces for the user id	<spaces>	Invalid	Pass	1
				1.2	Enter a return character for the user id	<return>	Invalid	Pass	1
				1.3	Enter an invalid character	!	Invalid	Pass	1
				1.4	Enter a valid test user id	Officer	Valid	Pass	1
		SQL Injection		1.5	Enter a SQL command	SELECT * FROM auth_user	Invalid	Pass	1
2	Security – Confidentiality and Integrity	Multi-factor authentication Input validation	Login Functionality – Password validation	2.1	Enter a password which does not exist in the database	AAAAAAA	Invalid	Pass	1
				2.2	Enter a password which is a valid password	essex123	Valid	Pass	1
			SQL Injection	2.3	Enter a SQL command for the password	SELECT * FROM auth_user	Invalid	Pass	1
3	Security – Confidentiality	Multi-factor authentication	Login Page Navigation – prevent user from going back to the login page	3.1	Login to the main page as admin and enter in the URL for the login page	Login in as Jane, essex123 Update URL	Invalid	Pass	1
4	Security – Confidentiality	Authorization	Permissions	4.1	Login as the administrator Can the dashboard options be accessed	Navigate to the dashboard as jane, essex123	Valid	Pass	1
				4.2	Login as the Officer Can the dashboard options be accessed, only the change password page should be available not the administrator page	Navigate to the dashboard, as Officer essex123	Invalid	Pass	1
	Functionality	Logout	Logout	4.3	Login as the Officer and logout from the dashboard	Submit the logout option	Valid	Pass	1
5	Functionality	User profile	Extended user profile as part of the admin page	5.1	Update the DOB, gender, department name, location (these attributes use drop downs)	01-02-1996 Male Name4 Location4	Valid	Pass	1
6	Functionality	Create a new user	New user	6.1	Create a new user and then logon with that user profile	LAldridge98 Suffolk123! Changed to Norfolk123!	Valid	Pass	1

Test 1.1 – Enter spaces for the user id – TEST PASSED

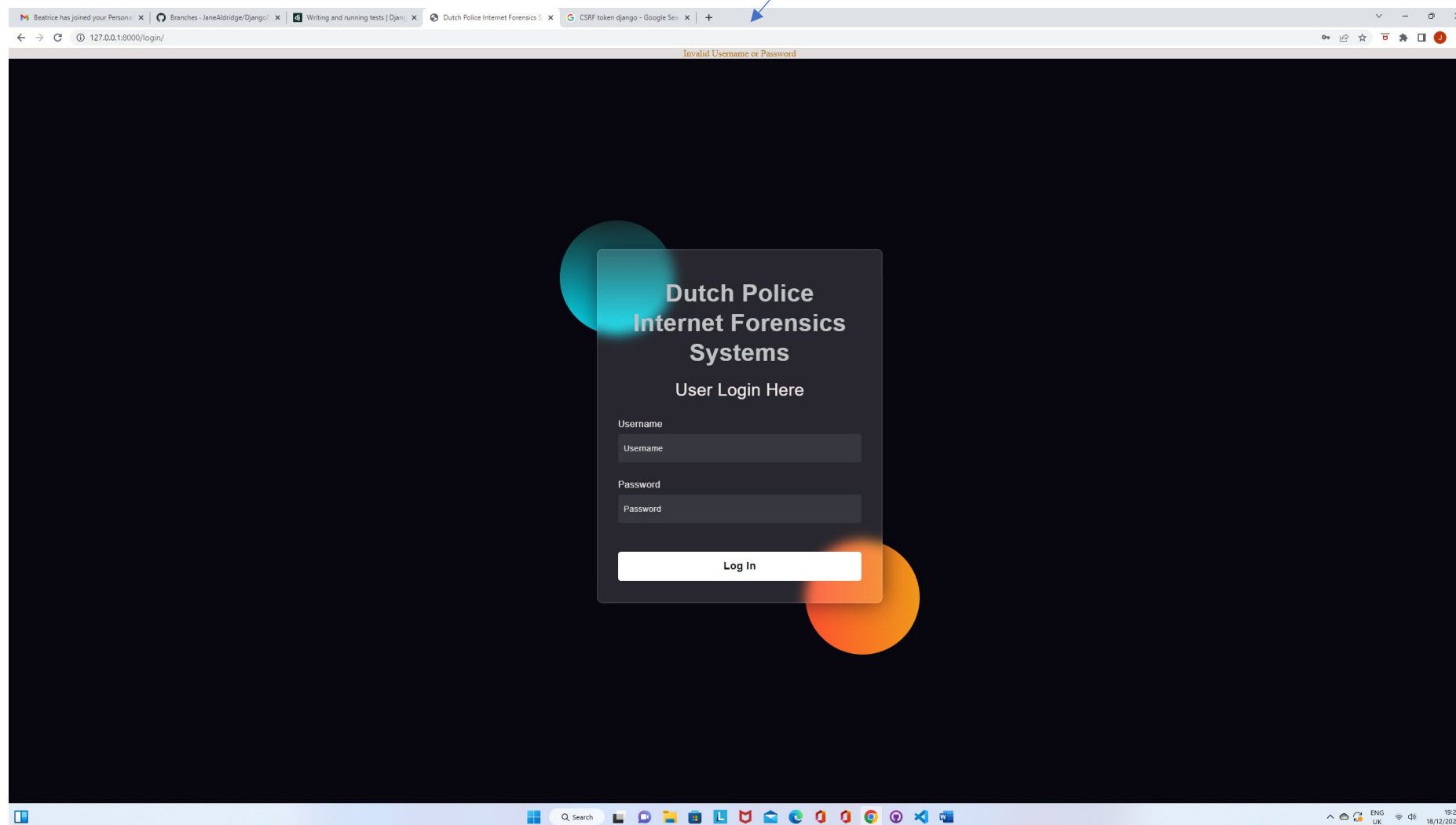
All tests have the system time included in the bottom left of the UI



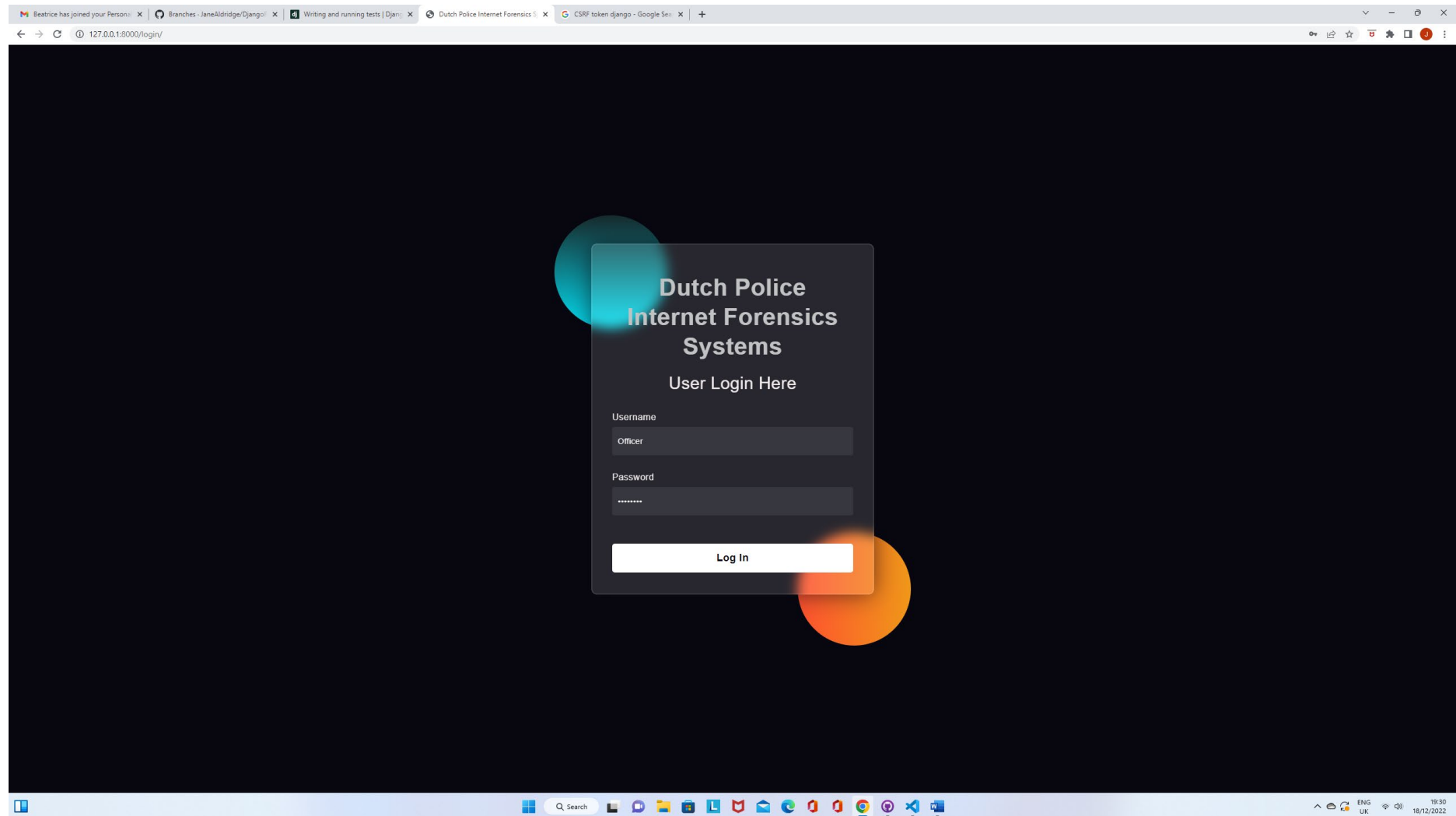
Test 1.2 – Enter a return character for the user id – TEST PASSED



Test 1.3 – Enter an invalid ‘!’ character for the password – TEST PASSED



Test 1.4 – Enter a valid test user id and password – TEST PASSED



Beatrice has joined your Person... | Branches - JaneAldridge/Django | Writing and running tests | Django | Dutch Police Internet Forensics | CSRF token django - Google S... | +

127.0.0.1:8000/mainpage/

Dutch Police Internet Forensics Systems

User Dashboard

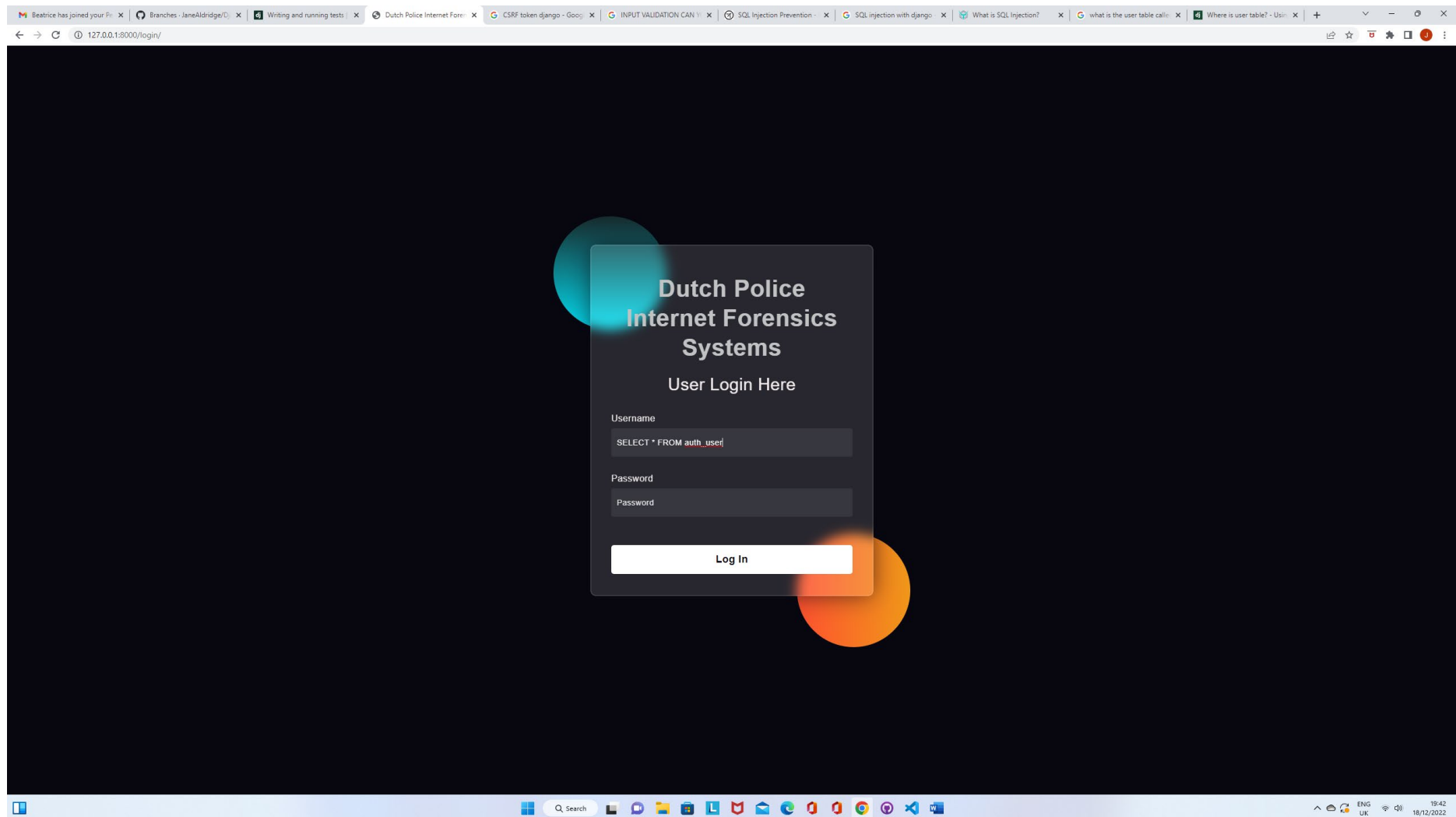
Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

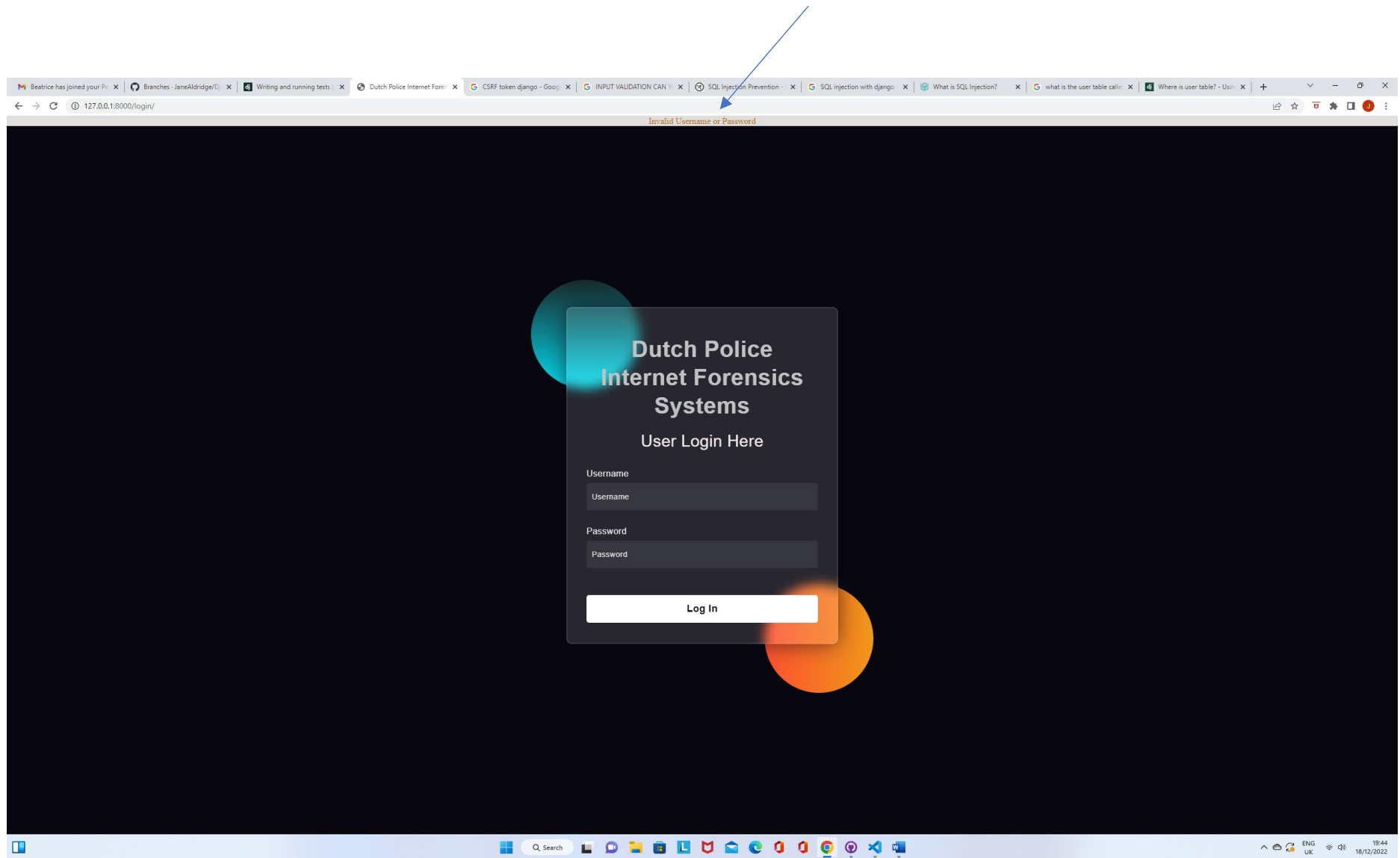
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Q Search

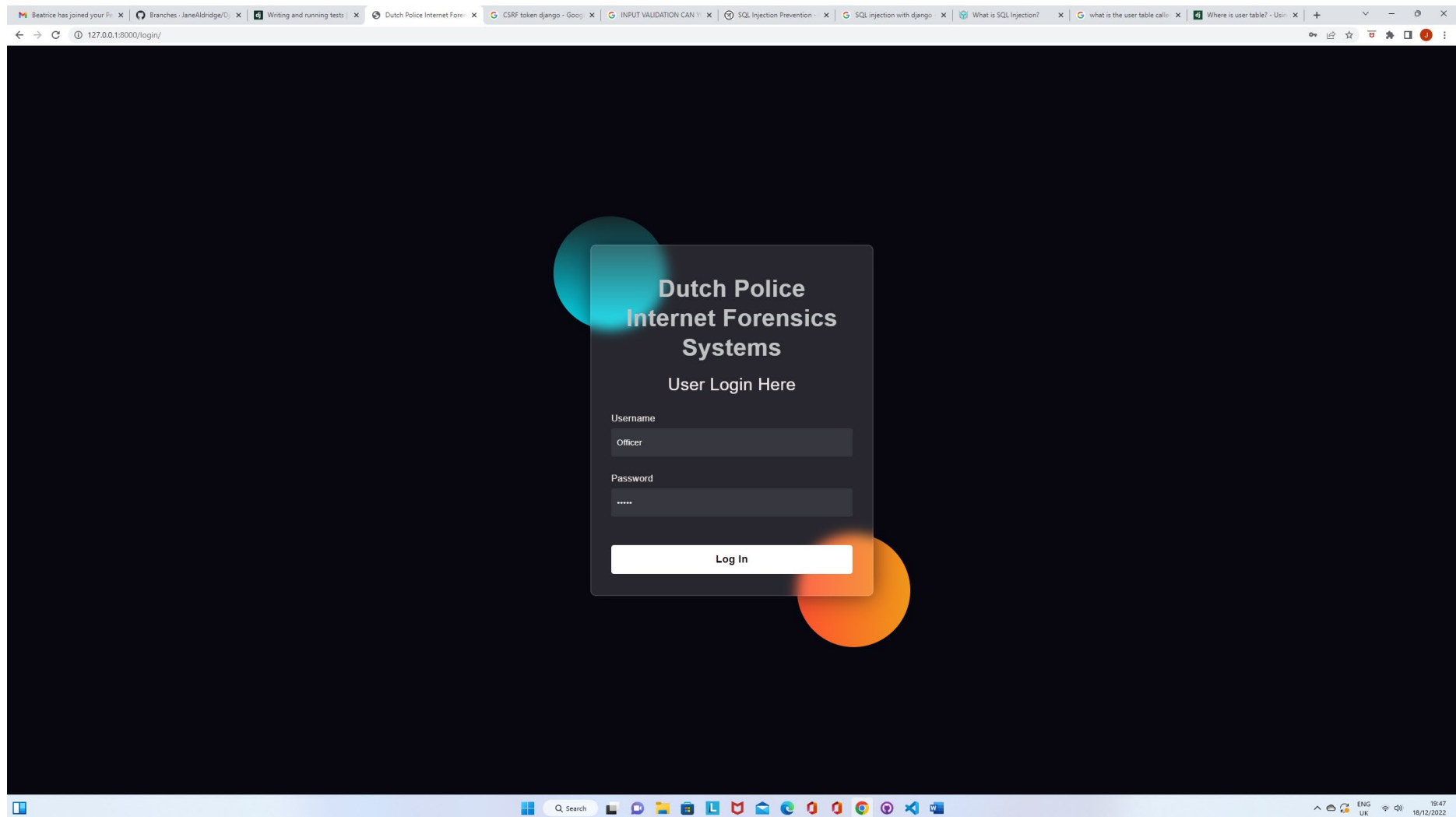
ENG UK 19:31 18/12/2022

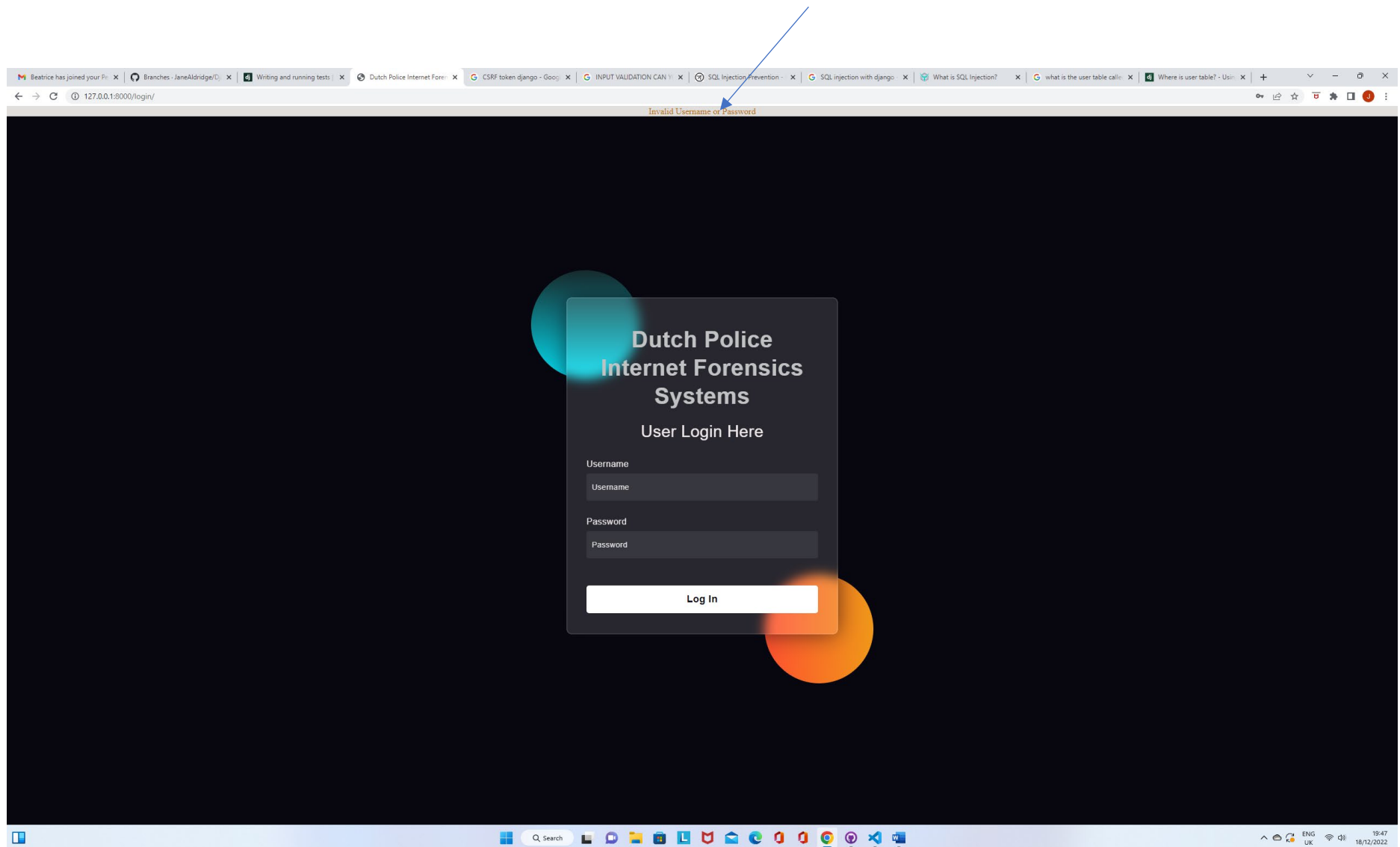
Test 1.5 – Enter a SQL Command – TEST PASSED





TEST 2.1 - Enter a password which does not exist in the database – TEST PASSED



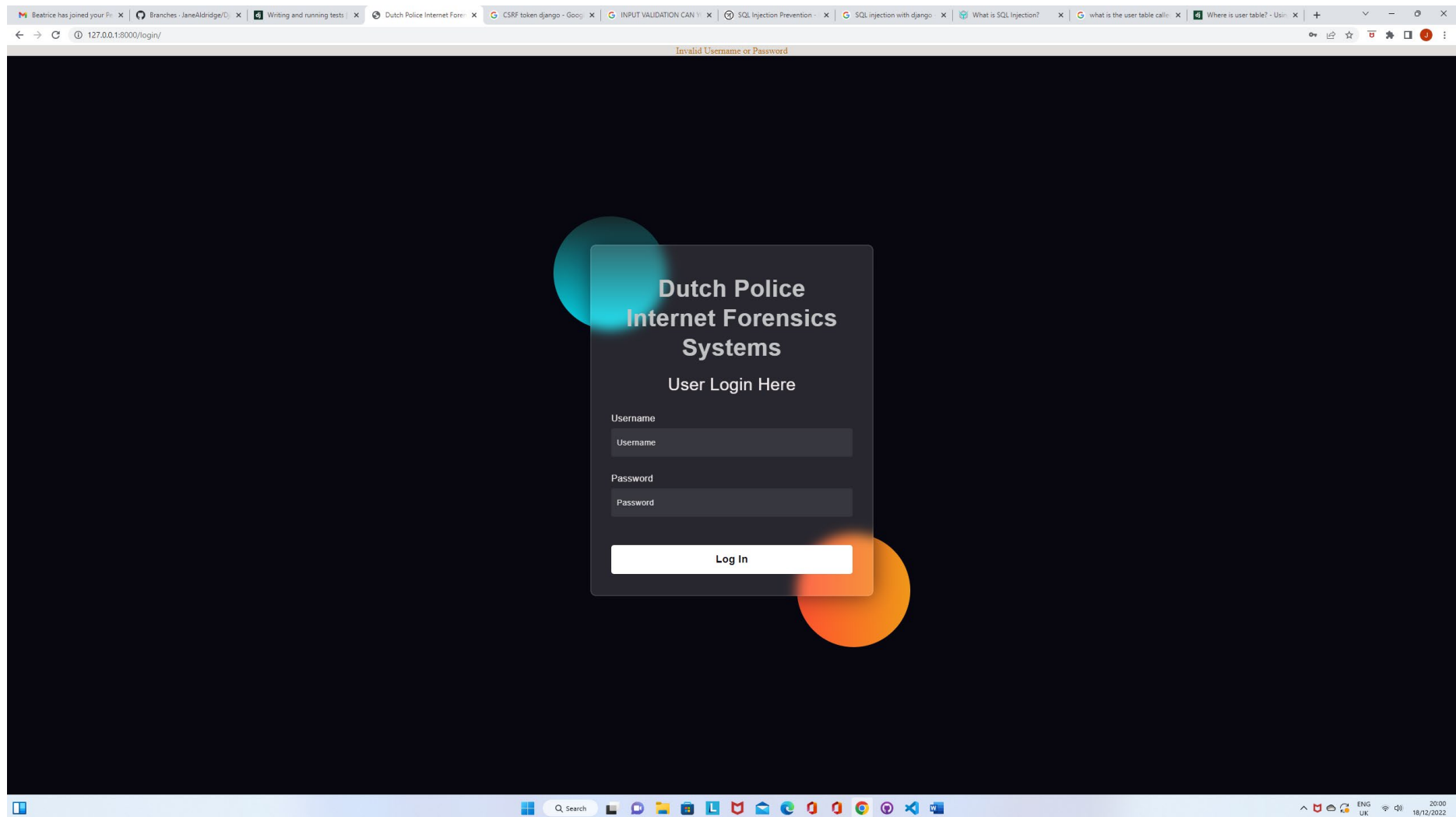


Test 2.3 – Enter a password which is a valid password – TEST PASSED

The screenshot shows a web browser window with multiple tabs open. The active tab is '127.0.0.1:8000/mainpage/'. The browser's address bar shows the URL. The page displays a 'User Dashboard' for 'Dutch Police Internet Forensics Systems'. The dashboard has a dark green header with the text 'Login Successful' and 'Dutch Police Internet Forensics Systems'. Below the header, the title 'User Dashboard' is centered. The main content area is a grid of eight light gray boxes, each containing a title and a value. The boxes are arranged in two columns. The left column contains: 'Total Cases' (5613), 'Complete Cases' (4101), 'Reports Filled' (6052), and 'Located Criminal Activities' (8535). The right column contains: 'Cases Pending' (512), 'Cases to be Reviewed' (1035), 'No. of Criminal Activities Found' (10564), and 'Reports Filled' (6052). A footer bar at the bottom of the dashboard contains the text '© 2022. All rights reserved.' The Windows taskbar is visible at the bottom of the screen, showing the Start button, search bar, and various application icons. The system tray in the bottom right corner shows the date and time as '18/12/2022' and '19:50'.

Metric	Value
Total Cases	5613
Complete Cases	4101
Reports Filled	6052
Located Criminal Activities	8535
Cases Pending	512
Cases to be Reviewed	1035
No. of Criminal Activities Found	10564
Reports Filled	6052

Test 2.4 – Enter a SQL Command for the password – Test PASSED



Test 3.1 - Login to the main page as admin and enter in the URL for the login page – TEST PASSED

The URL remains on the mainpage and does not navigate back to the login page

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "Dutch Police Internet Forensics Systems - 127.0.0.1:8000/login". The browser's address bar displays the URL "127.0.0.1:8000/login". A search bar in the browser shows the text "127.0.0.1:8000/login - Secure Search Search".

The dashboard content is organized into two columns of data cards. The left column contains four cards, and the right column contains four cards. Each card has a title and a numerical value.

Category	Value
Total Cases	5613
Complete Cases	4101
Reports Filled	6052
Located Criminal Activities	8535
Cases Pending	512
Cases to be Reviewed	1035
No. of Criminal Activities Found	10564
Reports Filled	6052

The footer of the dashboard displays the copyright notice: "© 2022. All rights reserved."

Browser tabs: Beatrice has joined your P... | Branches - JaneAldridge/D... | Writing and running tests | Dutch Police Internet Fore... | CSRF token django - Goo... | INPUT VALIDATION CAN Y... | SQL Injection Prevention - | SQL injection with django... | What is SQL Injection? | what is the user table call... | Where is user table? - Usin... | +

Address bar: 127.0.0.1:8000/mainpage/

Dutch Police Internet Forensics Systems

User Dashboard

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Windows taskbar: Search, File Explorer, Microsoft Edge, Outlook, Word, PowerPoint, Teams, OneDrive, Settings, Task View, Start button. System tray: ENG UK, 20:05, 18/12/2022.

Test 4.1 – Login as admin can the dashboard menu options be accessed – TEST PASSED

The screenshot displays the Dutch Police Internet Forensics Systems dashboard. The main content area is titled "Manage Users Log Activities" and features eight statistics cards arranged in two columns. The left column includes "Total Cases" (5613), "Complete Cases" (4101), "Reports Filled" (6052), and "Located Criminal Activities" (8535). The right column includes "Cases Pending" (512), "Cases to be Reviewed" (1035), "No. of Criminal Activities Found" (10564), and "Reports Filled" (6052). A sidebar on the left contains a "Welcome, Jane" header and a list of menu items: "User Dashboard", "Manage Cases", "Search and Locate Criminal Activities", "Create and View Reports", "Manage and Review Reports", "Manage Audits", "Change Password", "Manage Log Activities", "Administrator Dashboard" (highlighted with a blue arrow), and "Logout". The footer of the dashboard shows the copyright notice "© 2022. All rights reserved." and the system version "127.0.0.1:8000/admin/login/?next=/admin/".

Statistic	Value
Total Cases	5613
Complete Cases	4101
Reports Filled	6052
Located Criminal Activities	8535
Cases Pending	512
Cases to be Reviewed	1035
No. of Criminal Activities Found	10564
Reports Filled	6052

Browser tabs: Beatrice has joined your F... | Branches - JaneAldridge/D... | Writing and running tests | Site administration | Django | CSRF token django - Goog... | INPUT VALIDATION CAN Y... | SQL Injection Prevention - | SQL Injection with django... | What is SQL Injection? | what is the user table call... | Where is user table? - Usin... | +

Address bar: 127.0.0.1:8000/admin/

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups	+ Add	Change
Users	+ Add	Change

PASSWORD_HISTORY

Configurations	+ Add	Change
Password history	+ Add	Change

Recent actions

My actions

- managers
Group
- senior_security_analysts
Group
- junior_security_analysts
Group
- admin
Group
- SenAnalyst
User
- Pearce
User
- Officer
User
- Nikosana
User
- Manager
User
- JunAnalyst
User

Windows taskbar: Search, File Explorer, Mail, Edge, VS Code, etc. System tray: ENG UK, 2015 18/12/2022

Browser tabs: Beatrice has joined your P... | Branches - JaneAldridge/D... | Writing and running tests | Dutch Police Internet Fore... | CSRF token django - Goog... | INPUT VALIDATION CAN Y... | SQL Injection Prevention - | SQL Injection with django: | What is SQL Injection? | what is the user table call... | Where is user table? - Usin... | +

Address bar: 127.0.0.1:8000/userslogs/

Welcome, Jane

- User Dashboard
- Manage Cases
- Search and Locate Criminal Activities
- Create and View Reports
- Manage and Review Reports
- Manage Audits
- Change Password
- Manage Log Activities**
- Administrator Dashboard
- Logout

Dutch Police Internet Forensics Systems

Manage Users Log Activities

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Taskbar: 127.0.0.1:8000/userslogs/ | Search | [Icons] | ENG UK | 2016 18/12/2022

Browser tabs: Beatrice has joined your F... | Branches - JaneAldridge/D... | Writing and running tests | Dutch Police Internet Fore... | CSRF token django - Goog... | INPUT VALIDATION CAN Y... | SQL Injection Prevention - | SQL Injection with django... | What is SQL Injection? | what is the user table call... | Where is user table? - Usin... | +

Address bar: 127.0.0.1:8000/mainpage/

Welcome, Jane

- User Dashboard
- Manage Cases
- Search and Locate Criminal Activities
- Create and View Reports
- Manage and Review Reports
- Manage Audits
- Change Password**
- Manage Log Activities
- Administrator Dashboard
- Logout

Dutch Police Internet Forensics Systems

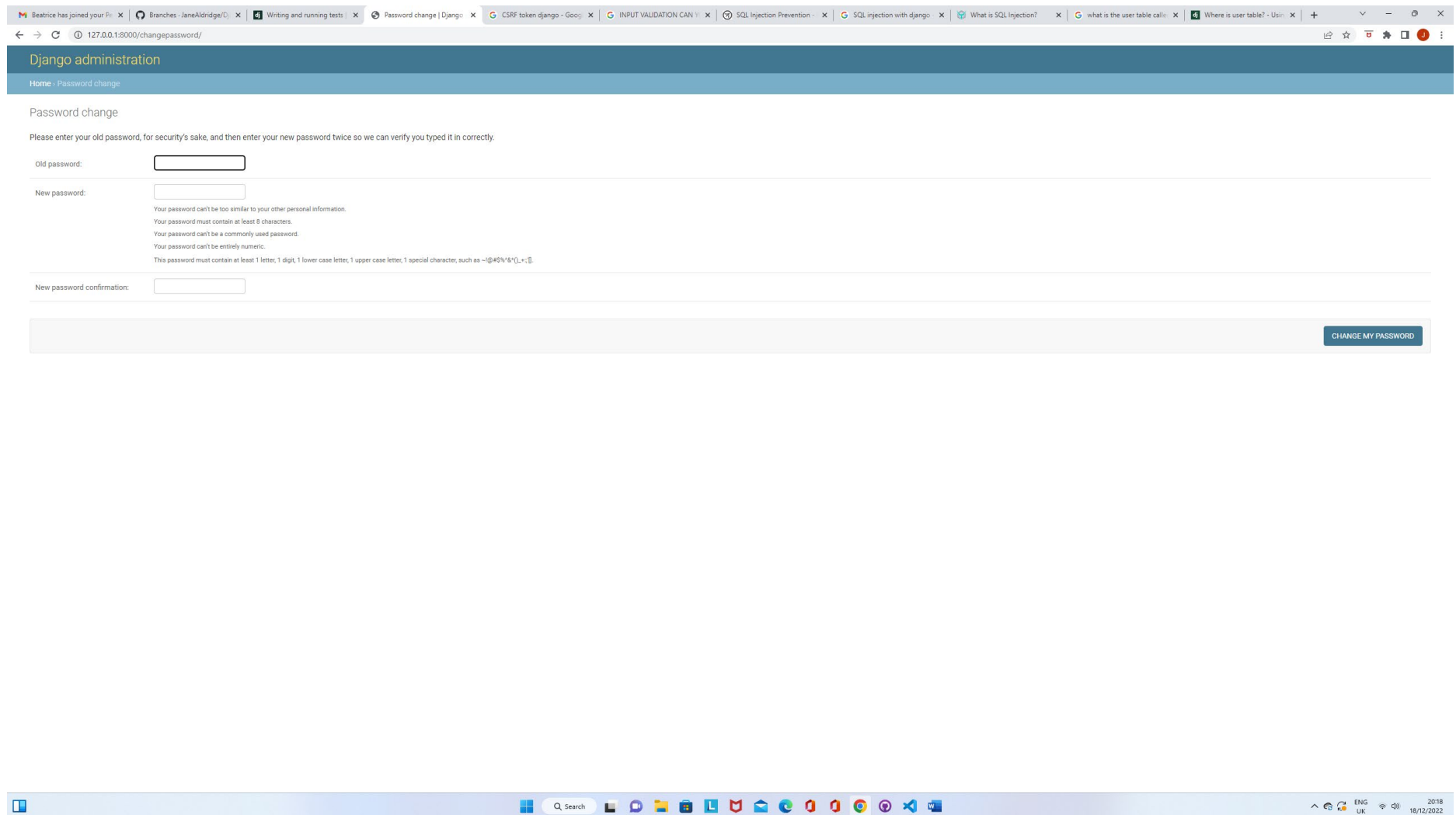
User Dashboard

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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127.0.0.1:8000/changepassword/

Windows taskbar: Search, File Explorer, Microsoft Edge, Outlook, Teams, OneDrive, Chrome, Firefox, VS Code, Docker Desktop, Windows Defender, System Tray (Network, Volume, Power, Date: 2017/18/12/2022)



Browser tabs: Beatrice has joined your P... | Branches - JaneAldridge/D... | Writing and running tests | Dutch Police Internet Fore... | CSRF token django - Goog... | INPUT VALIDATION CAN Y... | SQL Injection Prevention - | SQL Injection with django... | What is SQL Injection? | what is the user table call... | Where is user table? - Usin... | +

Address bar: 127.0.0.1:8000/audits/

Welcome, Jane

User Dashboard

Manage Cases

Search and Locate Criminal Activities

Create and View Reports

Manage and Review Reports

Manage Audits

Change Password

Manage Log Activities

Administrator Dashboard

Logout

Dutch Police Internet Forensics Systems

Manage Audits

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Taskbar: 127.0.0.1:8000/audits/ | Search | [Icons] | ENG UK | 20:20 18/12/2022

Browser tabs: Beatrice has joined your Fir..., Branches - JaneAldridge/D..., Writing and running tests |, Dutch Police Internet Fore..., CSRF token django - Goog..., INPUT VALIDATION CAN Y..., SQL Injection Prevention - x, SQL Injection with django: x, What is SQL Injection?, what is the user table call..., Where is user table? - Usi...

Address bar: 127.0.0.1:8000/manage_reports/

Welcome, Jane

User Dashboard

Manage Cases

Search and Locate Criminal Activities

Create and View Reports

Manage and Review Reports

Manage Audits

Change Password

Manage Log Activities

Administrator Dashboard

Logout

Dutch Police Internet Forensics Systems

Manage and Review Reports

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Taskbar: 127.0.0.1:8000/manage_reports/ | Search | [Icons] | ENG UK | 20:21 18/12/2022

Browser tabs: Beatrice has joined your File, Branches - JaneAldridge/D, Writing and running tests, Dutch Police Internet Foren..., CSRF token django - Goog..., INPUT VALIDATION CAN Y..., SQL Injection Prevention - x, SQL Injection with django: x, What is SQL Injection?, what is the user table call..., Where is user table? - Usi...

Address bar: 127.0.0.1:8000/create_reports/

Welcome, Jane

User Dashboard

Manage Cases

Search and Locate Criminal Activities

Create and View Reports

Manage and Review Reports

Manage Audits

Change Password

Manage Log Activities

Administrator Dashboard

Logout

Dutch Police Internet Forensics Systems

Create, File and View Reports

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Taskbar: 127.0.0.1:8000/create_reports/

System tray: 20:22 18/12/2022

Browser tabs: Beatrice has joined your Fir..., Branches - JaneAldridge/D..., Writing and running tests |, Dutch Police Internet Fore..., CSRF token django - Goog..., INPUT VALIDATION CAN Y..., SQL Injection Prevention - ..., SQL Injection with django: ..., What is SQL Injection?, what is the user table call..., Where is user table? - Usi...

Address bar: 127.0.0.1:8000/criminalactivity/

Welcome, Jane

User Dashboard

Manage Cases

Search and Locate Criminal Activities

Create and View Reports

Manage and Review Reports

Manage Audits

Change Password

Manage Log Activities

Administrator Dashboard

Logout

Dutch Police Internet Forensics Systems

Research and Locate Criminal Activity

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Taskbar: 127.0.0.1:8000/criminalactivity/ | Search | 20:22 18/12/2022

Browser tabs: Beatrice has joined your Fir..., Branches - JaneAldridge/D..., Writing and running tests |, Dutch Police Internet Fore..., CSRF token django - Goog..., INPUT VALIDATION CAN Y..., SQL Injection Prevention - ..., SQL Injection with django: ..., What is SQL Injection?, what is the user table call..., Where is user table? - Usi...

Address bar: 127.0.0.1:8000/cases/

Welcome, Jane

User Dashboard

Manage Cases

Search and Locate Criminal Activities

Create and View Reports

Manage and Review Reports

Manage Audits

Change Password

Manage Log Activities

Administrator Dashboard

Logout

Dutch Police Internet Forensics Systems

Manage Cases

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Taskbar: 127.0.0.1:8000/cases/ | Search | 20:22 18/12/2022

Browser tabs: Beatrice has joined your P... | Branches - JaneAldridge/D... | Writing and running tests | Dutch Police Internet Fore... | CSRF token django - Goog... | INPUT VALIDATION CAN Y... | SQL Injection Prevention - | SQL Injection with django... | What is SQL Injection? | what is the user table call... | Where is user table? - Usin... | +

Address bar: 127.0.0.1:8000/mainpage/

Welcome, Jane

User Dashboard

- Manage Cases
- Search and Locate Criminal Activities
- Create and View Reports
- Manage and Review Reports
- Manage Audits

Change Password

Manage Log Activities

Administrator Dashboard

Logout

Dutch Police Internet Forensics Systems

User Dashboard

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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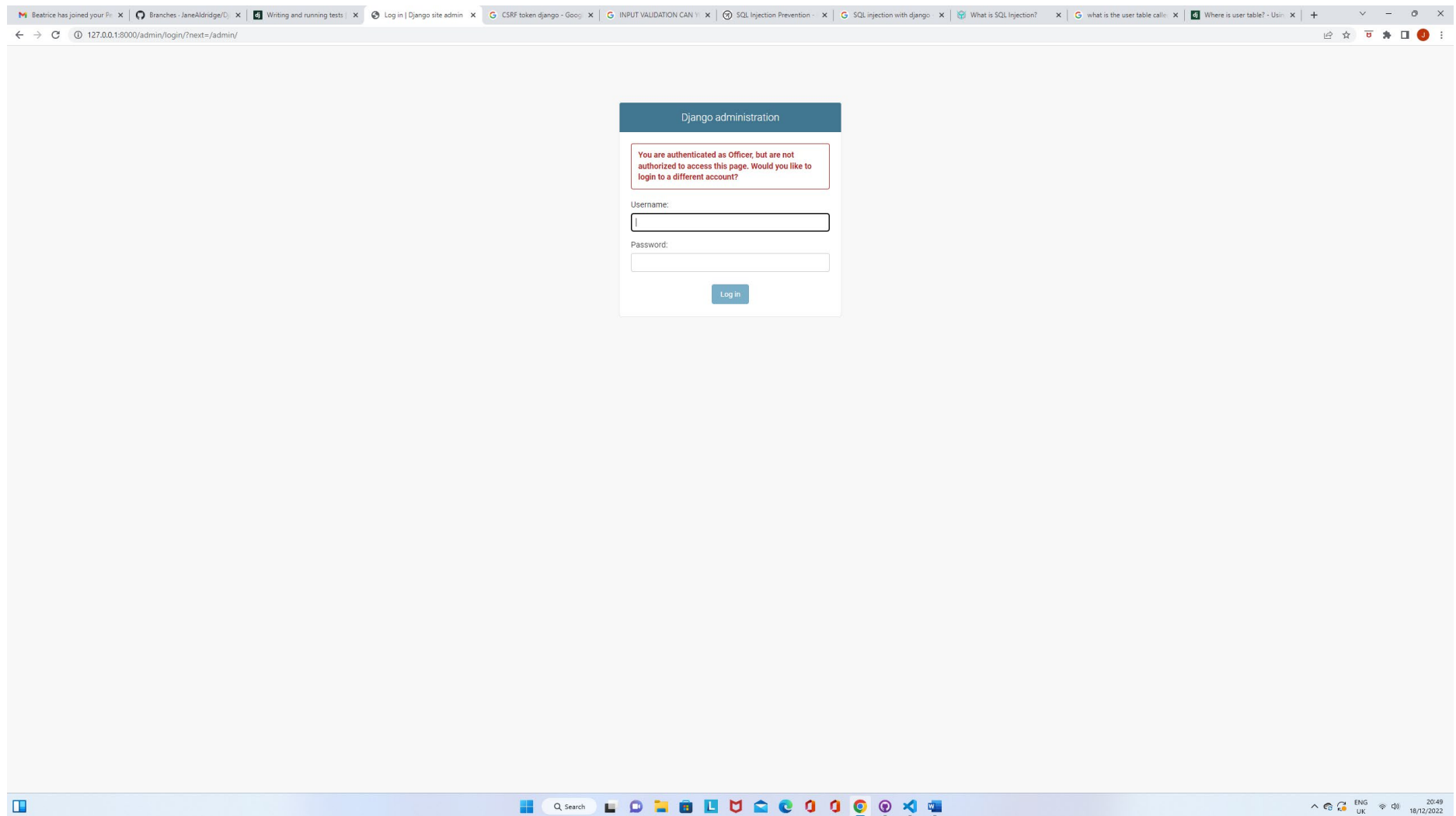
Taskbar: 127.0.0.1:8000/mainpage/ | Search | [Icons] | ENG UK | 20:23 18/12/2022

Test 4.2 - Login as the Officer - Can the dashboard options be accessed – TEST PASSED

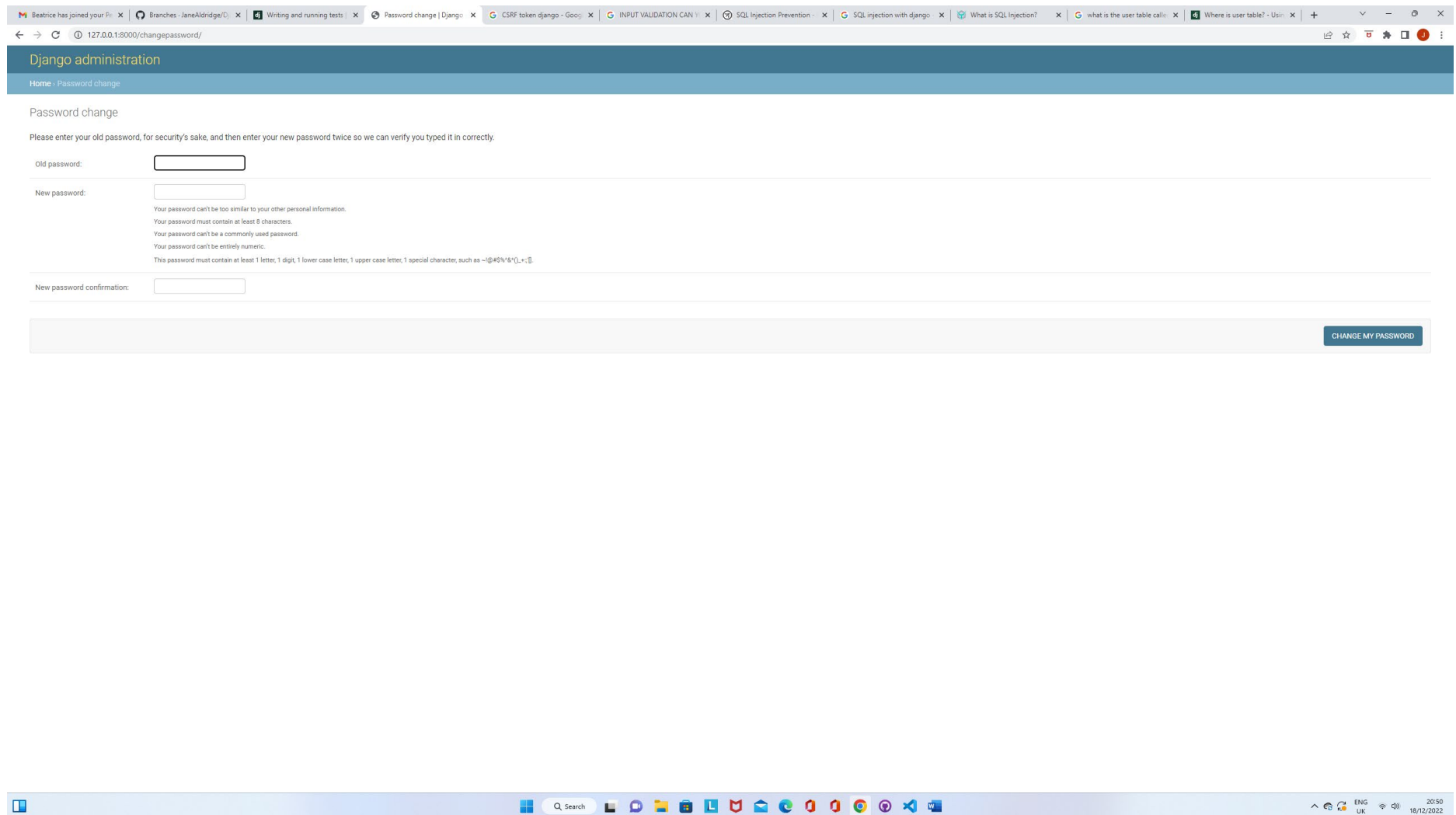
The administrator page should not be available but the officer should have access to the password page

The screenshot displays the 'Dutch Police Internet Forensics Systems' User Dashboard. The interface features a dark sidebar on the left with navigation options: 'Welcome, Officer', 'User Dashboard', 'Manage Cases', 'Search and Locate Criminal Activities', 'Create and View Reports', 'Manage and Review Reports', 'Manage Audits', 'Change Password', 'Manage Log Activities', 'Administrator Dashboard', and 'Logout'. The main content area is titled 'User Dashboard' and contains eight data cards arranged in two columns. The left column includes 'Total Cases' (5613), 'Complete Cases' (4101), 'Reports Filled' (6052), and 'Located Criminal Activities' (8535). The right column includes 'Cases Pending' (512), 'Cases to be Reviewed' (1035), 'No. of Criminal Activities Found' (10564), and 'Reports Filled' (6052). The footer of the dashboard area shows '© 2022. All rights reserved.' The browser's address bar at the bottom indicates the URL '127.0.0.1:8000/admin/login/?next=/admin/'.

Metric	Value
Total Cases	5613
Complete Cases	4101
Reports Filled	6052
Located Criminal Activities	8535
Cases Pending	512
Cases to be Reviewed	1035
No. of Criminal Activities Found	10564
Reports Filled	6052



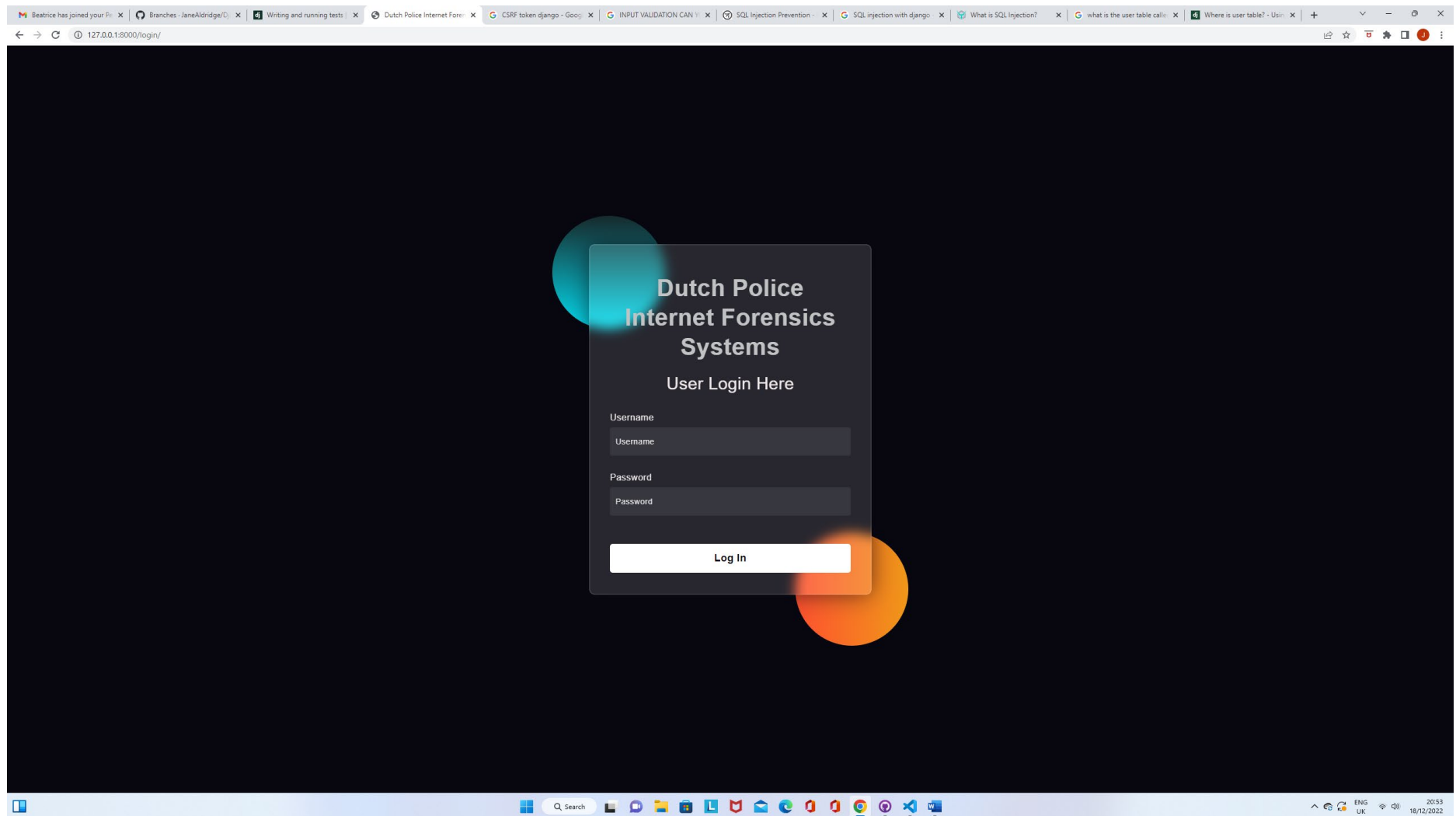




Test 4.2 – Login as the officer and logout from the dashboard – TEST PASSED

The screenshot displays the 'Dutch Police Internet Forensics Systems' User Dashboard. The dashboard is divided into a sidebar on the left and a main content area. The sidebar contains navigation links: 'Welcome, Officer', 'User Dashboard', 'Manage Cases', 'Search and Locate Criminal Activities', 'Create and View Reports', 'Manage and Review Reports', 'Manage Audits', 'Change Password', 'Manage Log Activities', 'Administrator Dashboard', and 'Logout'. The main content area features a header with the system name and a 'User Dashboard' title. Below the header, there are eight data cards arranged in two columns. The left column contains 'Total Cases' (5613), 'Complete Cases' (4101), 'Reports Filled' (6052), and 'Located Criminal Activities' (8535). The right column contains 'Cases Pending' (512), 'Cases to be Reviewed' (1035), 'No. of Criminal Activities Found' (10564), and 'Reports Filled' (6052). The footer of the dashboard includes a copyright notice: '© 2022. All rights reserved.' The browser's address bar shows the URL '127.0.0.1:8000/mainpage/' and the Windows taskbar at the bottom displays the time as 20:52 on 18/12/2022.

Category	Value
Total Cases	5613
Cases Pending	512
Complete Cases	4101
Cases to be Reviewed	1035
Reports Filled	6052
No. of Criminal Activities Found	10564
Located Criminal Activities	8535
Reports Filled	6052



Test 5.1 – Update the user profile fields which have been added – DOB, gender, department name, location – TEST PASSED

The screenshot displays the Django administration interface for managing groups. The page is titled "Django administration" and the breadcrumb trail is "Home / Authentication and Authorization / Groups". The left sidebar contains a navigation menu with "AUTHENTICATION AND AUTHORIZATION" (Groups, Users) and "PASSWORD_HISTORY" (Configurations, Password history). The main content area is titled "Select group to change" and includes a search bar, an "ADD GROUP +" button, and a list of groups: "GROUP", "admin", "junior_security_analysts", "managers", "police_officers", and "senior_security_analysts". Each group has a checkbox. Below the list, it says "9 groups". The browser's address bar shows "127.0.0.1:8000/admin/auth/group/". The Windows taskbar at the bottom shows the time as 11:30 on 19/12/2022.

Inbox (32,155) - janealdridge010 x JaneAldridge/DjangoForensics x Select user to change | Django x +

127.0.0.1:8000/admin/auth/user/

Django administration

WELCOME, JANE. [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Home / Authentication and Authorization / Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

Select user to change

Q Search

Action: Go 0 of 8 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Beatrice	beae@gmail.com	Beatrice	Mutegi	✓
<input type="checkbox"/>	Jane	janeal@gmail.com	Jane	Aldridge	✓
<input type="checkbox"/>	JunAnalyst		JunAnalyst	Security	✗
<input type="checkbox"/>	Manager		Manager	One	✗
<input type="checkbox"/>	Nkosana	nkona@rocketmail.com	Nkosana	Mlambo	✓
<input type="checkbox"/>	Officer		Officer	One	✗
<input type="checkbox"/>	Pearce	pearce@gmail.com	Pearce	Begley	✓
<input type="checkbox"/>	SenAnalyst		SenAnalyst	Security	✗

8 users

FILTER

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

By groups

All

admin

junior_security_analysts

managers

police_officers

senior_security_analysts

-

ADD USER +

Inbox (32,155) - janealdridge010 x JaneAldridge/DjangoForensics x Jane | Change user | Django site x +

127.0.0.1:8000/admin/auth/user/2/change/

Django administration

Home Authentication and Authorization Users Jane

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

Change user

Jane

Username: Jane
Required: 150 characters or fewer: Letters, digits and @/+/./_ only.

Password: algorithm: pbkdf2_sha256 iterations: 390000 salt: MI3xNv***** hash: MMTRFq*****
Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.

Personal info

First name: Jane

Last name: Aldridge

Email address: janeal@gmail.com

Permissions

☒ **Active**
Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☒ **Staff status**
Designates whether the user can log into this admin site.

☒ **Superuser status**
Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups

Q Filter

junior_security_analysts
managers
police_officers
senior_security_analysts

Choose all

Chosen groups

admin

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Q Filter

admin | log entry | Can add log entry
admin | log entry | Can change log entry
admin | log entry | Can delete log entry
admin | log entry | Can view log entry
auth | group | Can add group
auth | group | Can change group

Chosen user permissions

11:35 19/12/2022

Inbox (32,155) - janealdridge010 x JaneAldridge/DjangoForensics x Jane | Change user | Django site x +

127.0.0.1:8000/admin/auth/user/2/change/

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

police_officers
senior_security_analysts

Choose all Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Filter

admin | log entry | Can add log entry
admin | log entry | Can change log entry
admin | log entry | Can delete log entry
admin | log entry | Can view log entry
auth | group | Can add group
auth | group | Can change group
auth | group | Can delete group
auth | group | Can view group
auth | permission | Can add permission
auth | permission | Can change permission
auth | permission | Can delete permission
auth | permission | Can view permission
auth | user | Can add user

Choose all Remove all

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

Important dates

Last login: Date: 2022-12-19 Today
Time: 11:29:02 Now

Date joined: Date: 2022-12-13 Today
Time: 07:34:06 Now

USER PROFILE

User profile: Jane

DateOfBirth: 1997-09-05 Today
Gender: FEMALE
DepartmentName: Name 2
DepartmentLocation: Location 2

Delete Save and add another Save and continue editing SAVE

Q Search ENG UK 11:35 19/12/2022

Inbox (32,155) - janealdridge010 x JaneAldridge/DjangoForensics x Jane | Change user | Django site x +

127.0.0.1:8000/admin/auth/user/2/change/

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

police_officers
senior_security_analysts

Choose all Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Filter

admin | log entry | Can add log entry
admin | log entry | Can change log entry
admin | log entry | Can delete log entry
admin | log entry | Can view log entry
auth | group | Can add group
auth | group | Can change group
auth | group | Can delete group
auth | group | Can view group
auth | permission | Can add permission
auth | permission | Can change permission
auth | permission | Can delete permission
auth | permission | Can view permission
auth | user | Can add user

Choose all Remove all

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

Chosen user permissions

Important dates

Last login:

Date: 2022-12-19 Today
Time: 11:29:02 Now

Date joined:

Date: 2022-12-13 Today
Time: 07:34:06 Now

USER PROFILE

User profile: Jane

DateOfBirth: 1996-02-01 Today
Gender: MALE
DepartmentName: Name 4
DepartmentLocation: Location 4

Delete

Save and add another Save and continue editing SAVE

Q Search

ENG UK 11:44 19/12/2022

Inbox (32,155) - janealdridge010 x JaneAldridge/DjangoForensics x Select user to change | Django x +

127.0.0.1:8000/admin/auth/user/

Django administration

Home / Authentication and Authorization / Users

WELCOME, JANE. VIEW SITE / CHANGE PASSWORD / LOG OUT

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

✓ The user "Jane" was changed successfully.

Select user to change

Search

Action: 0 of 8 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Beatrice	beae@gmail.com	Beatrice	Muteji	✓
<input type="checkbox"/>	Jane	janeal@gmail.com	Jane	Aldridge	✓
<input type="checkbox"/>	JunAnalyst		JunAnalyst	Security	✗
<input type="checkbox"/>	Manager		Manager	One	✗
<input type="checkbox"/>	Nkosana	nkona@rocketmail.com	Nkosana	Mlambo	✓
<input type="checkbox"/>	Officer		Officer	One	✗
<input type="checkbox"/>	Pearce	pearc@gmail.com	Pearce	Begley	✓
<input type="checkbox"/>	SenAnalyst		SenAnalyst	Security	✗

8 users

FILTER

By staff status

All
Yes
No

By superuser status

All
Yes
No

By active

All
Yes
No

By groups

All
admin
junior_security_analysts
managers
police_officers
senior_security_analysts
-

ENG UK 11:45 19/12/2022

Inbox (32,155) - janealdridge010 x JaneAldridge/DjangoForensics x Jane | Change user | Django site x +

127.0.0.1:8000/admin/auth/user/2/change/

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

police_officers
senior_security_analysts

Choose all Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Filter

admin | log entry | Can add log entry
admin | log entry | Can change log entry
admin | log entry | Can delete log entry
admin | log entry | Can view log entry
auth | group | Can add group
auth | group | Can change group
auth | group | Can delete group
auth | group | Can view group
auth | permission | Can add permission
auth | permission | Can change permission
auth | permission | Can delete permission
auth | permission | Can view permission
auth | user | Can add user

Choose all Remove all

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

Important dates

Last login:

Date: 2022-12-19 Today
Time: 11:29:02 Now

Date joined:

Date: 2022-12-13 Today
Time: 07:34:06 Now

USER PROFILE

User profile: Jane

DateOfBirth: 1996-02-01 Today
Gender: MALE
DepartmentName: Name 4
DepartmentLocation: Location 4

Delete

Save and add another Save and continue editing SAVE

Q Search

ENG UK 11:49 19/12/2022

Test 6.1 – Create a new user and then logon with that user – TEST PASSED

127.0.0.1:8000/admin/auth/user/add/

Django administration

WELCOME, JANE. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home / Authentication and Authorization / Users / Add user

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

Add user

First, enter a username and password. Then, you'll be able to edit more user options.

Username:
Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

Password:
Your password can't be too similar to your other personal information.
Your password must contain at least 8 characters.
Your password can't be a commonly used password.
Your password can't be entirely numeric.
This password must contain at least 1 letter, 1 digit, 1 lower case letter, 1 upper case letter, 1 special character, such as ~|@#%&'*!~|,~|.

Password confirmation:
Enter the same password as before, for verification.

USER PROFILE

User profile: #1

DateOfBirth: Today | 📅

Gender: ▼

DepartmentName: ▼

DepartmentLocation: ▼

Save and add another Save and continue editing SAVE

127.0.0.1:8000/admin/auth/user/10/change/

Django administration

Home Authentication and Authorization Users LAldridge98

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

Change user

LAldridge98

Username: LAldridge98

Required: 150 characters or fewer: Letters, digits and @/./+/-/_ only.

Password: algorithm: pbkdf2_sha256 iterations: 390000 salt: T8jz9H***** hash: vLJT*****

Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.

Personal info

First name:

Last name:

Email address:

Permissions

☒ Active

Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☐ Staff status

Designates whether the user can log into this admin site.

☐ Superuser status

Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups

Filter

admin

junior_security_analysts

managers

police_officers

senior_security_analysts

Choose all

Chosen groups

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Filter

admin | log entry | Can add log entry

admin | log entry | Can change log entry

admin | log entry | Can delete log entry

Chosen user permissions

14:25 19/12/2022

127.0.0.1:8000/admin/auth/user/10/change/

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

Active

Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

Staff status

Designates whether the user can log into this admin site.

Superuser status

Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups

Filter

admin

managers

police_officers

senior_security_analysts

Choose all

Chosen groups

junior_security_analysts

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Filter

auth | permission | Can add permission

auth | permission | Can change permission

auth | permission | Can delete permission

auth | permission | Can view permission

auth | user | Can add user

auth | user | Can change user

auth | user | Can delete user

auth | user | Can view user

contenttypes | content type | Can change content type

contenttypes | content type | Can delete content type

contenttypes | content type | Can view content type

internetforensics | user profile | Can add user profile

internetforensics | user profile | Can change user profile

internetforensics | user profile | Can delete user profile

Choose all

Chosen user permissions

contenttypes | content type | Can add content type

Remove all

Specific permissions for this user. Hold down "Control", or "Command" on a Mac, to select more than one.

Important dates

Last login:

Date:

Today

Time:

Now

Date joined:

Date:

2022-12-19

Today

Time:

14:25:45

Now

USER PROFILE

User profile: LAldridge98

Date of Birth:

2014-01-09

Today

ENG UK 14:26 19/12/2022

47

Browser tabs: Pearce Begley has joined your P... | Post Attendee - Zoom | JaneAldridge/DjangoForensics | Select user to change | Django s... | can you include tables or image... | How do you put Images on the | JaneAldridge/DjangoForensics | +

Address bar: 127.0.0.1:8000/admin/auth/user/

Django administration

Home / Authentication and Authorization / Users

WELCOME, JANE. VIEW SITE / CHANGE PASSWORD / LOG OUT

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- Groups + Add
- Users + Add**

PASSWORD_HISTORY

- Configurations + Add
- Password history + Add

The user "LAldridge98" was changed successfully.

Select user to change

Search

Action: 0 of 10 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Beatrice	beae@gmail.com	Beatrice	Mutegi	✓
<input type="checkbox"/>	Jane	janeal@gmail.com	Jane	Aldridge	✓
<input type="checkbox"/>	Joanne	janealdridge@gmail.com	Joanne	Aldridge	✗
<input type="checkbox"/>	JunAnalyst		JunAnalyst	Security	✗
<input type="checkbox"/>	LAldridge98				✗
<input type="checkbox"/>	Manager		Manager	One	✗
<input type="checkbox"/>	Nkosana	nkona@rocketmail.com	Nkosana	Mlambo	✓
<input type="checkbox"/>	Officer		Officer	One	✗
<input type="checkbox"/>	Pearce	pearc@gmail.com	Pearce	Begley	✓
<input type="checkbox"/>	SenAnalyst		SenAnalyst	Security	✗

10 users

FILTER

- By staff status
 - All
 - Yes
 - No
- By superuser status
 - All
 - Yes
 - No
- By active
 - All
 - Yes
 - No
- By groups
 - All
 - admin
 - junior_security_analysts
 - managers
 - police_officers
 - senior_security_analysts
 -

127.0.0.1:8000/admin/auth/user/10/change/

Django administration

Home / Authentication and Authorization / Users / LAldridge98

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PASSWORD_HISTORY

Configurations + Add

Password history + Add

Change user

LAldridge98

Username: LAldridge98

Required: 150 characters or fewer: Letters, digits and @/+/./_ only.

Password: algorithm: pbkdf2_sha256 iterations: 390000 salt: T8j23H***** hash: vLJT*****

Raw passwords are not stored, so there is no way to see this user's password, but you can change the password using this form.

Personal info

First name: Lana

Last name: Aldridge

Email address: janealdrige01@gmail.com

Permissions

☒ Active

Designates whether this user should be treated as active. Unselect this instead of deleting accounts.

☐ Staff status

Designates whether the user can log into this admin site.

☐ Superuser status

Designates that this user has all permissions without explicitly assigning them.

Groups:

Available groups

Q Filter

admin

managers

police_officers

senior_security_analysts

Choose all

Chosen groups

junior_security_analysts

Remove all

The groups this user belongs to. A user will get all permissions granted to each of their groups. Hold down "Control", or "Command" on a Mac, to select more than one.

User permissions:

Available user permissions

Q Filter

admin | log entry | Can add log entry

admin | log entry | Can change log entry

admin | log entry | Can delete log entry

admin | log entry | Can view log entry

auth | group | Can add group

auth | group | Can change group

Chosen user permissions

contenttypes | content type | Can add content type

WELCOME, JANE

VIEW SITE / CHANGE PASSWORD / LOG OUT

HISTORY

Q Search

ENG UK

14:29 19/12/2022

Browser tabs: Pearce Begley has joined your P... | Post Attendee - Zoom | JaneAldridge/DjangoForensics | Select user to change | Django s... | can you include tables or image... | How do you put Images on the i... | JaneAldridge/DjangoForensics | +

Address bar: 127.0.0.1:8000/admin/auth/user/

Django administration

Home / Authentication and Authorization / Users

WELCOME, JANE. VIEW SITE / CHANGE PASSWORD / LOG OUT

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- Groups + Add
- Users + Add**

PASSWORD_HISTORY

- Configurations + Add
- Password history + Add

The user "LAldridge98" was changed successfully.

Select user to change

Search

Action: 0 of 10 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Beatrice	beae@gmail.com	Beatrice	Mutegi	✓
<input type="checkbox"/>	Jane	janeel@gmail.com	Jane	Aldridge	✓
<input type="checkbox"/>	Joanne	janealdrige@gmail.com	Joanne	Aldridge	✗
<input type="checkbox"/>	JunAnalyst		JunAnalyst	Security	✗
<input type="checkbox"/>	LAldridge98	janealdrige01@gmail.com	Lana	Aldridge	✗
<input type="checkbox"/>	Manager		Manager	One	✗
<input type="checkbox"/>	Nkosana	nkona@rocketmail.com	Nkosana	Mlambo	✓
<input type="checkbox"/>	Officer		Officer	One	✗
<input type="checkbox"/>	Pearce	pearc@gmail.com	Pearce	Begley	✓
<input type="checkbox"/>	SenAnalyst		SenAnalyst	Security	✗

10 users

FILTER

- By staff status
 - All
 - Yes
 - No
- By superuser status
 - All
 - Yes
 - No
- By active
 - All
 - Yes
 - No
- By groups
 - All
 - admin
 - junior_security_analysts
 - managers
 - police_officers
 - senior_security_analysts
 -

Browser tabs: Pearce Begley has joined your P... | Post Attendee - Zoom | JaneAldridge/DjangoForensics | can you include tables or image... | How do you put Images on the f... | JaneAldridge/DjangoForensics | Dutch Police Internet Forensics S... | +

Address bar: 127.0.0.1:8000/mainpage/

Welcome, LAldridge98

- User Dashboard
- Manage Cases
- Search and Locate Criminal Activities
- Create and View Reports
- Manage and Review Reports
- Manage Audits

- Change Password
- Manage Log Activities
- Administrator Dashboard
- Logout

Dutch Police Internet Forensics Systems

User Dashboard

Total Cases	5613	Cases Pending	512
Complete Cases	4101	Cases to be Reviewed	1035
Reports Filled	6052	No. of Criminal Activities Found	10564
Located Criminal Activities	8535	Reports Filled	6052

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Windows taskbar: Search, File Explorer, Microsoft Edge, Outlook, Teams, OneDrive, Chrome, Firefox, VLC, Discord, Spotify, Task View, Start, Search, ENG UK, 14:57, 19/12/2022