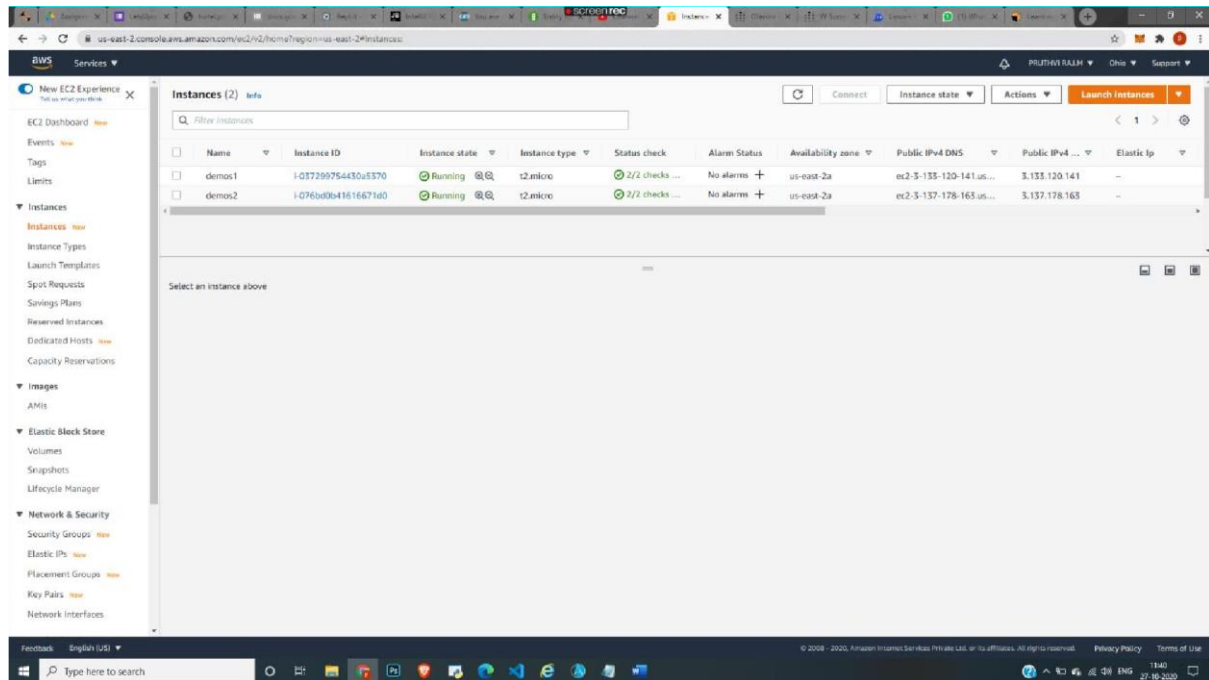
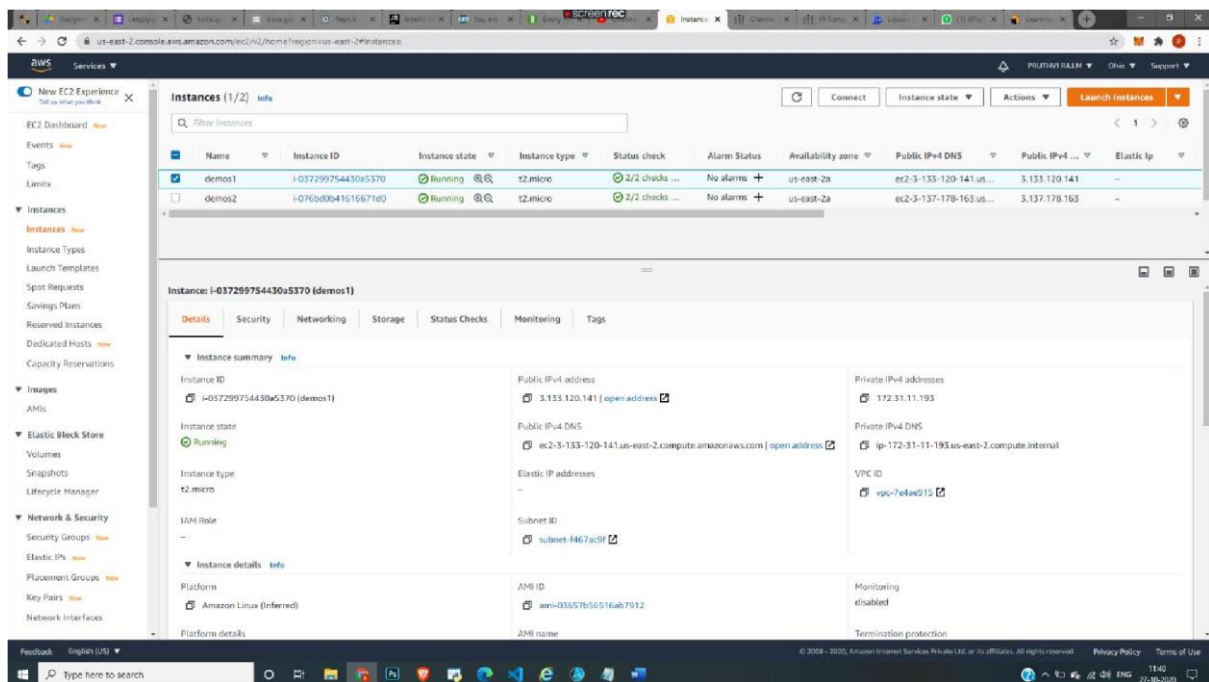


AWS ASSIGNMENT 9 AND 10

PROJECT1 TASK 1: INSTANCES LIST

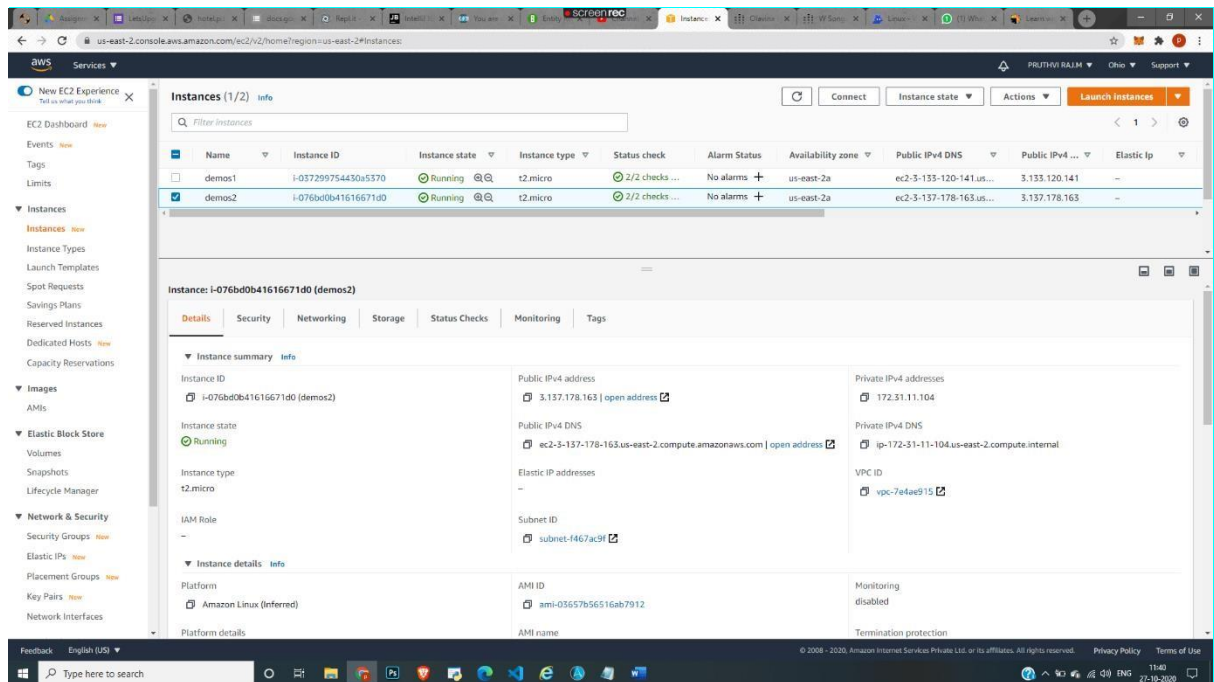


TASK 2: SELECT A INSTANCE AND DISPLAY INSTANCE DETAILS OF SERVER 1

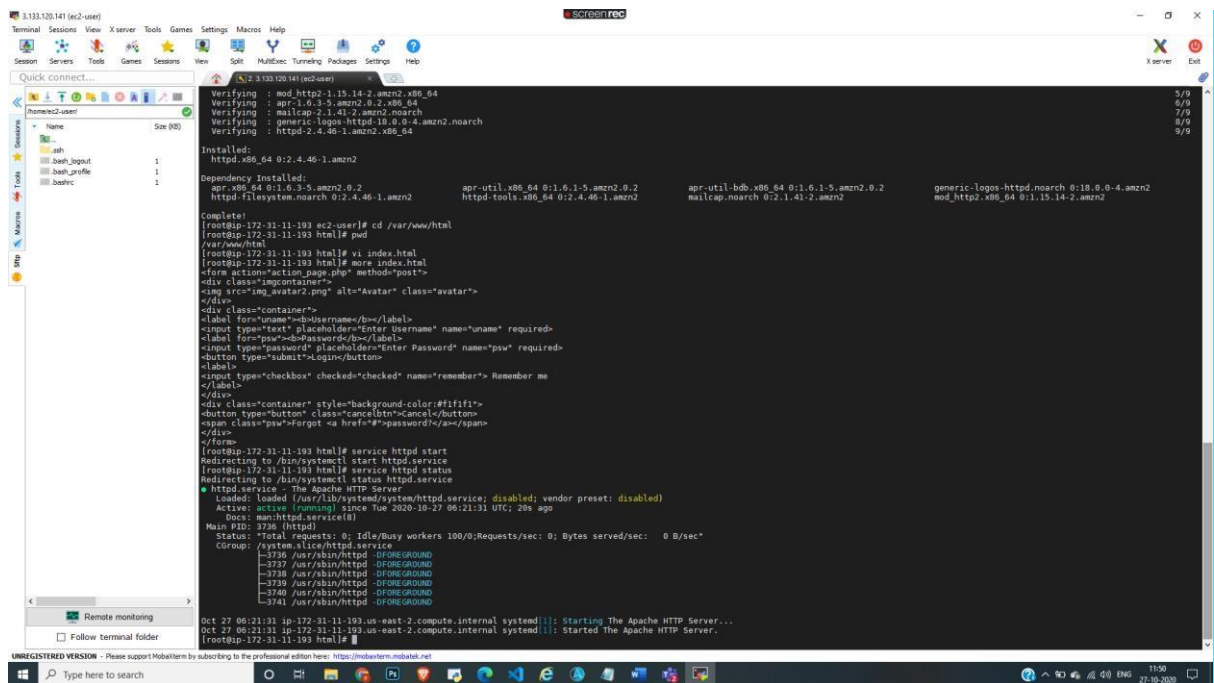


TASK 3: SELECT A INSTANCE AND DISPLAY DETAILS OF

SERVER2



TASK 4:STATUS – ACTIVE RUNNING



```
Installing : httpd-2.4.46-1.amzn2.x86_64
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64
Verifying : httpd-filesystem2-4.46-1.amzn2.noarch
Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64
Verifying : httpd-tools-2.4.46-1.amzn2.x86_64
Verifying : mod_http2-1.15.14-2.amzn2.x86_64
Verifying : apr-1.6.3-5.amzn2.0.2.x86_64
Verifying : mailcap-2.1.41-2.amzn2.noarch
Verifying : generic-logos-httpd-10.0.0-4.amzn2.noarch
Verifying : httpd-2.4.46-1.amzn2.x86_64

Installed:
httpd.x86_64 0:2.4.46-1.amzn2

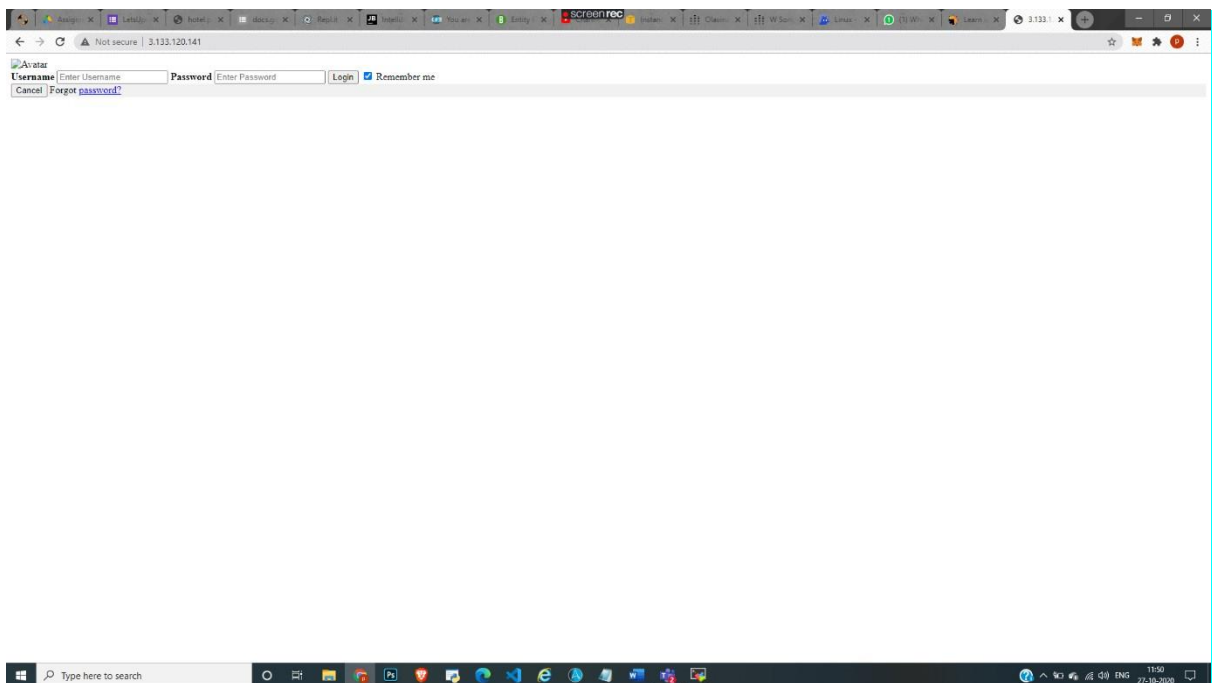
Dependency Installed:
apr.x86_64 0:1.6.3-5.amzn2.0.2          apr-util.x86_64 0:1.6.1-5.amzn2.0.2          apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2          generic-logos-httpd.noarch 0:10.0.0-4.amzn2
httpd-filesystem.noarch 0:2.4.46-1.amzn2          httpd-tools.x86_64 0:2.4.46-1.amzn2          mailcap.noarch 0:2.1.41-2.amzn2          mod_http2.x86_64 0:1.15.14-2.amzn2

Complete!
[root@ip-172-31-11-104 ec2-user]# cd /var/www/html
[root@ip-172-31-11-104 html]# pwd
/var/www/html
[root@ip-172-31-11-104 html]# vi index.html
[root@ip-172-31-11-104 html]# more index.html
<form action="action_page.php" method="post">
<div class="imgcontainer">

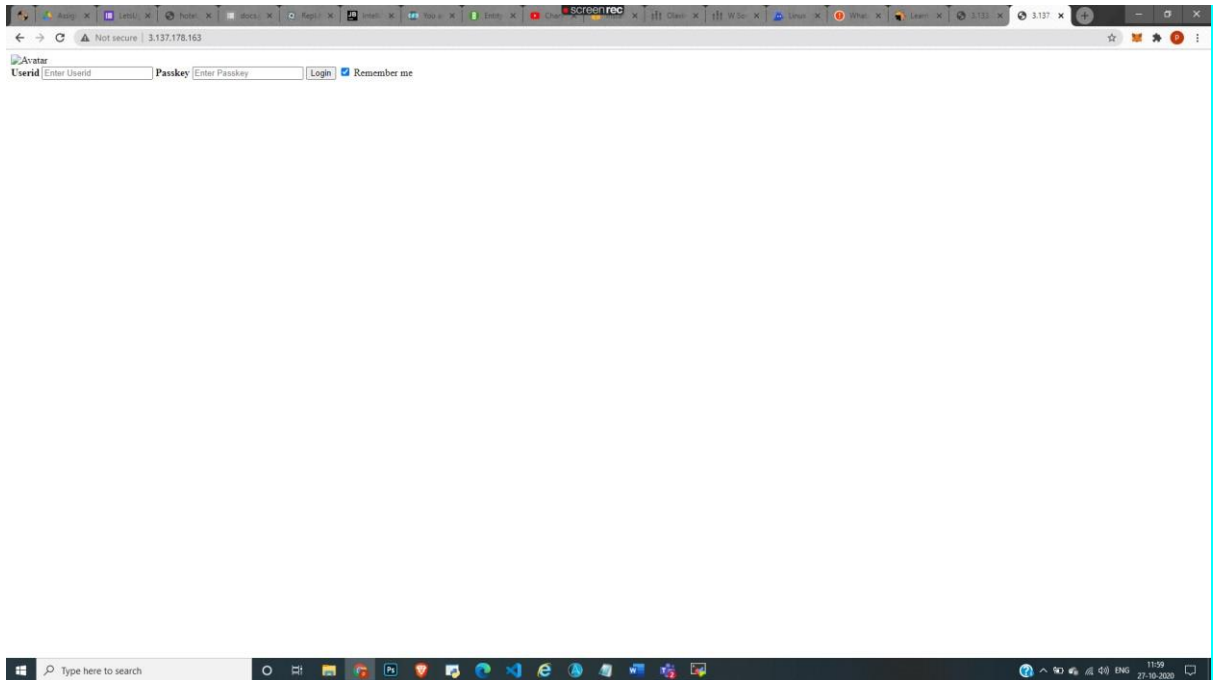
</div>
<div class="container">
<label for="username" class="b">Username</label>
<input type="text" placeholder="Enter Username" name="username" required>
<label for="password" class="b">Password</label>
<input type="password" placeholder="Enter Password" name="password" required>
<button type="submit" value="Login">Login</button>
<input type="checkbox" checked="checked" name="remember"> Remember me
</div>
</form>
[root@ip-172-31-11-104 html]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-11-104 html]# service httpd status
Redirecting to /bin/systemctl status httpd.service
● httpd.service - The Apache HTTP Server
Loaded: loaded (/usr/lib/systemd/system/httpd.service; disabled; vendor preset: disabled)
Active: active (running) since Tue 2020-10-27 06:30:25 UTC; 12s ago
Docs: man:httpd.service(8)
Main PID: 3760 (httpd)
Status: "Total requests: 0; idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
CGroup: /system.slice/httpd.service
├─3760 /usr/sbin/httpd DFOREGROUND
├─3761 /usr/sbin/httpd DFOREGROUND
├─3762 /usr/sbin/httpd DFOREGROUND
├─3763 /usr/sbin/httpd DFOREGROUND
├─3764 /usr/sbin/httpd DFOREGROUND
└─3765 /usr/sbin/httpd DFOREGROUND

Oct 27 06:30:23 ip-172-31-11-104.us-east-2.compute.internal systemd[1]: Starting The Apache HTTP Server...
Oct 27 06:30:23 ip-172-31-11-104.us-east-2.compute.internal systemd[1]: Started The Apache HTTP Server.
[root@ip-172-31-11-104 html]#
```

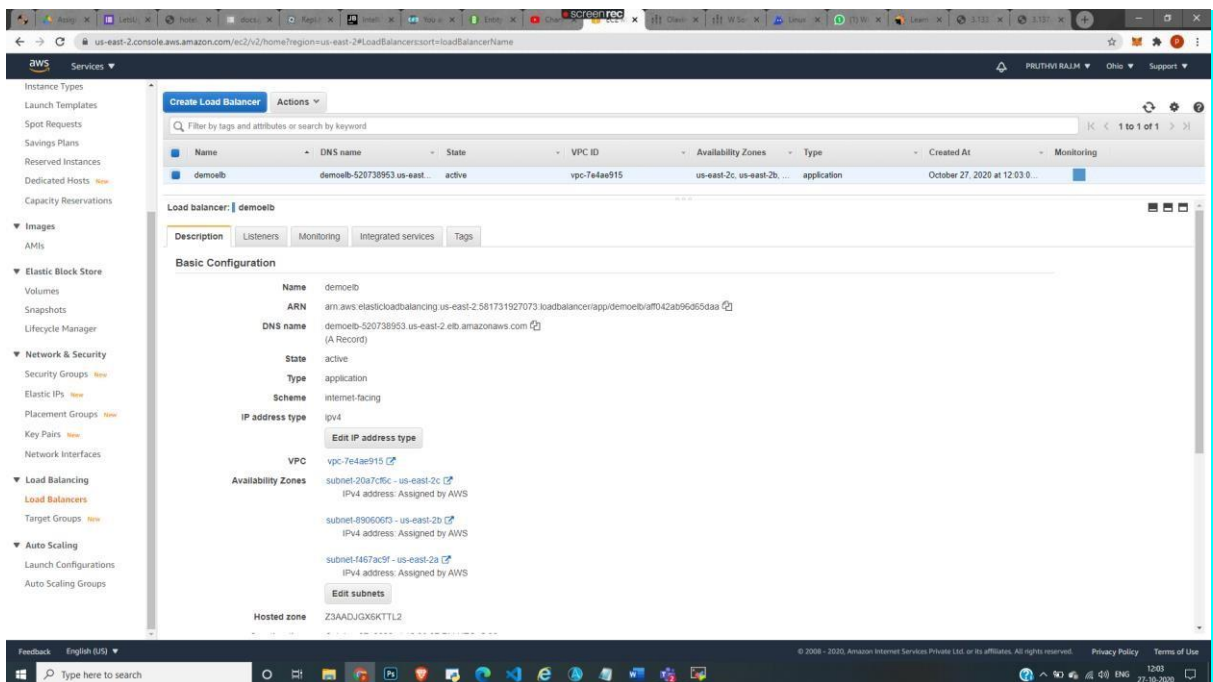
TASK 5: USERNAME PASSWORD PAGE



TASK 6: USERID PASSKEY PAGE

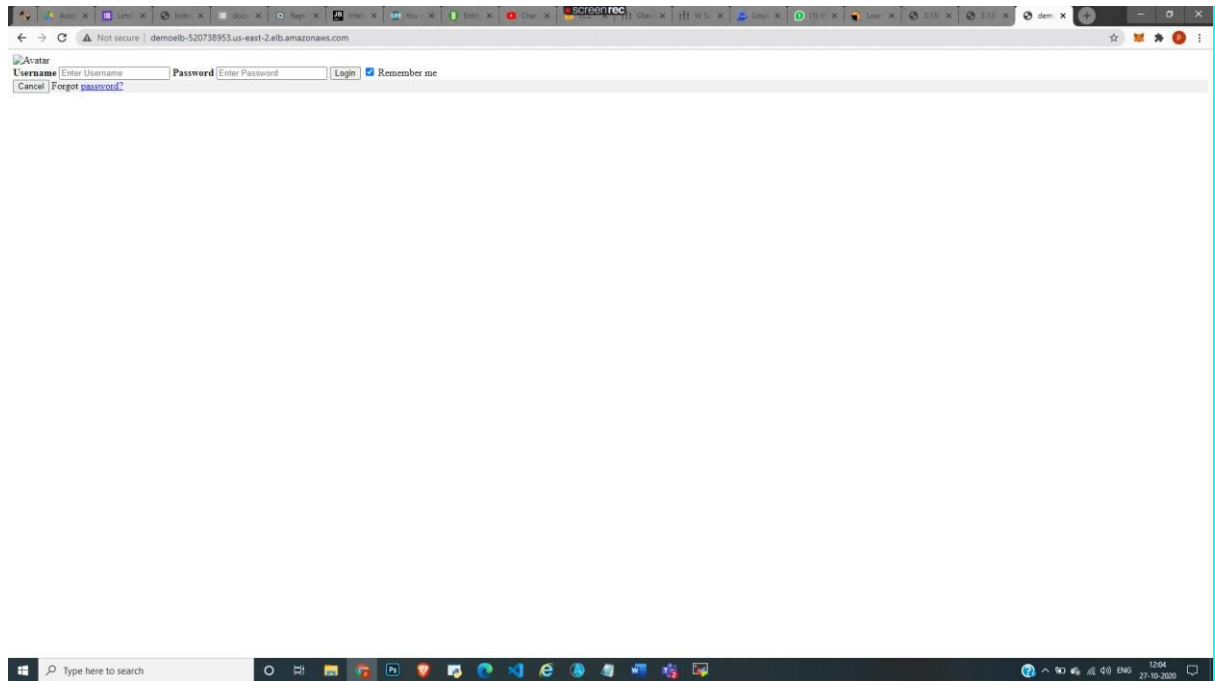


TASK 7: LOAD BALANCER

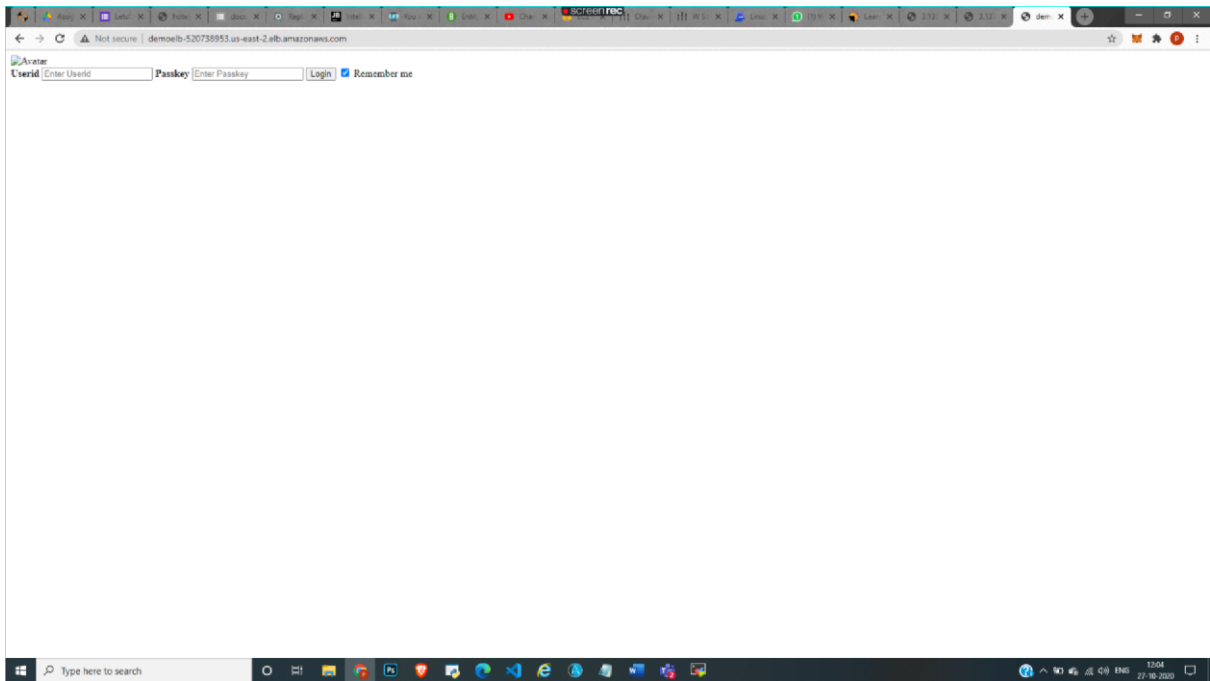


TASK 8: REPLAY FROM SERVER 1 AND SERVER 2

SERVER 1



SERVER 2



PROJECT2 : COGNITO

This screenshot shows the 'How do you want your end users to sign in?' configuration page in the AWS IAM console. The page is titled 'How do you want your end users to sign in?' and includes a warning: 'You can't change the sign-in and attribute options on this page after you've created your user pool. Make sure that you've decided on the settings that you want.' The page is divided into two main sections: 'How do you want your end users to sign in?' and 'Which standard attributes do you want to require?'. The first section allows users to choose between 'Username' and 'Email address or phone number' as the primary sign-in method. The 'Email address or phone number' option is selected, and sub-options for 'Allow email addresses', 'Allow phone numbers', and 'Allow both email addresses and phone numbers (users can choose one)' are visible. The second section, 'Which standard attributes do you want to require?', lists various attributes that can be required for sign-in. The 'Required' column has checkboxes for 'address', 'birthdate', 'email', 'family name', 'gender', 'given name', 'locale', 'middle name', and 'name'. The 'Attribute' column has checkboxes for 'nickname', 'phone number', 'picture', 'preferred username', 'profile', 'zoneinfo', 'updated at', and 'website'. The 'email' attribute is checked in the 'Required' column. The page also includes a 'Feedback' link, a language selector (English (US)), and a search bar.

How do you want your end users to sign in?

You can choose to have users sign in with an email address, phone number, username or preferred username plus their password. [Learn more.](#)

☐ **Username** - Users can use a username and optionally multiple alternatives to sign up and sign in.

- ☐ Also allow sign in with verified email address
- ☐ Also allow sign in with verified phone number
- ☐ Also allow sign in with preferred username (a username that your users can change)

☒ **Email address or phone number** - Users can use an email address or phone number as their "username" to sign up and sign in.

- ☒ Allow email addresses
- ☐ Allow phone numbers
- ☐ Allow both email addresses and phone numbers (users can choose one)

You can choose to enable case insensitivity on the username input for the selected sign-in option. For example, when this option is selected, the users can sign in using either "username" or "Username".

☒ (Recommended) Enable case insensitivity for username input

Which standard attributes do you want to require?

All of the standard attributes can be used for user profiles, but the attributes you select will be required for sign up. You will not be able to change these requirements after the pool is created. If you select an attribute to be an alias, users will be able to sign-in using that value or their username. [Learn more about attributes.](#)

Required	Attribute	Required	Attribute
<input checked="" type="checkbox"/>	address	<input type="checkbox"/>	nickname
<input type="checkbox"/>	birthdate	<input checked="" type="checkbox"/>	phone number
<input checked="" type="checkbox"/>	email	<input type="checkbox"/>	picture
<input type="checkbox"/>	family name	<input checked="" type="checkbox"/>	preferred username
<input checked="" type="checkbox"/>	gender	<input type="checkbox"/>	profile
<input type="checkbox"/>	given name	<input type="checkbox"/>	zoneinfo
<input type="checkbox"/>	locale	<input type="checkbox"/>	updated at
<input type="checkbox"/>	middle name	<input type="checkbox"/>	website
<input checked="" type="checkbox"/>	name		

This screenshot shows the 'Create a user pool' configuration page in the AWS IAM console. The page is titled 'Create a user pool' and includes a 'Cancel' button in the top right corner. The page is divided into two main sections: 'What password strength do you want to require?' and 'Do you want to allow users to sign themselves up?'. The first section allows users to choose the minimum password length and whether to require numbers, special characters, uppercase letters, and lowercase letters. The second section, 'Do you want to allow users to sign themselves up?', allows users to choose between 'Only allow administrators to create users' and 'Allow users to sign themselves up'. The 'Only allow administrators to create users' option is selected. The page also includes a 'How quickly should temporary passwords set by administrators expire if not used?' section, which allows users to choose the number of days to expire. The 'Days to expire' is set to 7. The page includes a 'Back' button and a 'Next step' button. The page also includes a 'Feedback' link, a language selector (English (US)), and a search bar.

Create a user pool

What password strength do you want to require?

Minimum length:

- ☒ Require numbers
- ☒ Require special character
- ☒ Require uppercase letters
- ☒ Require lowercase letters

Do you want to allow users to sign themselves up?

You can choose to only allow administrators to create users or allow users to sign themselves up. [Learn more.](#)

☒ Only allow administrators to create users

☐ Allow users to sign themselves up

How quickly should temporary passwords set by administrators expire if not used?

You can choose for how long until a temporary password set by an administrator expires if the password is not used. This includes accounts created by administrators.

Days to expire:

[Back](#) [Next step](#)

console.aws.amazon.com/cognito/users/region-us-east-1#/pool/new/mfa-verifications?r=18_k=riapwn

aws Services

User Pools | Federated Identities

Create a user pool

Name

Attributes

Policies

MFA and verifications

Message customizations

Tags

Devices

App clients

Triggers

Review

Do you want to enable Multi-Factor Authentication (MFA)?

Multi-Factor Authentication (MFA) increases security for your end users. If you choose "optional", individual users can have MFA enabled. You can only choose "required" when initially creating a user pool, and if you do, all users must use MFA. Phone numbers must be verified if MFA is enabled. You can configure adaptive authentication on the Advanced security tab to require MFA based on risk scoring of user sign in attempts. [Learn more about multi-factor authentication.](#)

Note: separate charges apply for sending test messages.

☒ Off ☐ Optional ☐ Required

How will a user be able to recover their account?

When a user forgets their password, they can have a code sent to their verified email or verified phone to recover their account. You can choose the preferred way to send codes below. We recommend not allowing phone to be used for both password resets and multi-factor authentication (MFA). [Learn more.](#)

☐ Email if available, otherwise phone, but don't allow a user to reset their password via phone if they are also using it for MFA.

☐ Phone if available, otherwise email, but don't allow a user to reset their password via phone if they are also using it for MFA.

☒ Email only

☐ Phone only, but don't allow a user to reset their password via phone if they are also using it for MFA.

☐ (Not Recommended) Phone if available, otherwise email, and do allow a user to reset their password via phone if they are also using it for MFA.

☐ None – users will have to contact an administrator to reset their passwords.

Which attributes do you want to verify?

Verification requires users to retrieve a code from their email or phone to confirm ownership. Verification of a phone or email is necessary to automatically confirm users and enable recovery from forgotten passwords. [Learn more about email and phone verification.](#)

☒ Email ☐ Phone number ☐ Email or phone number ☐ No verification

You must provide a role to allow Amazon Cognito to send SMS messages

Amazon Cognito needs your permission to send SMS messages to your users on your behalf. [Learn more about IAM roles.](#)

New role name

democognito-SMS-Role

Feedback English (US)

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console.aws.amazon.com/cognito/users/region-us-east-1#/pool/new/userpooltags?r=18_k=5v453p

aws Services

User Pools | Federated Identities

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Name

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Review

Do you want to add tags for this user pool?

You can create new tags by entering tag keys and tag values below.

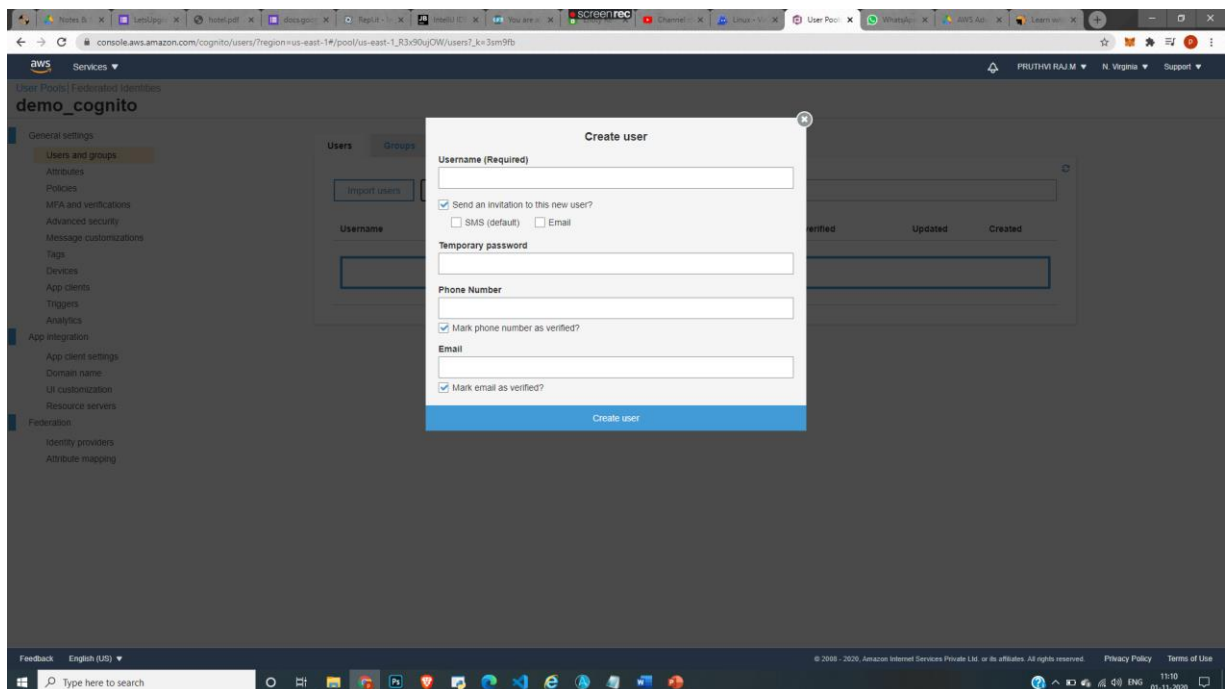
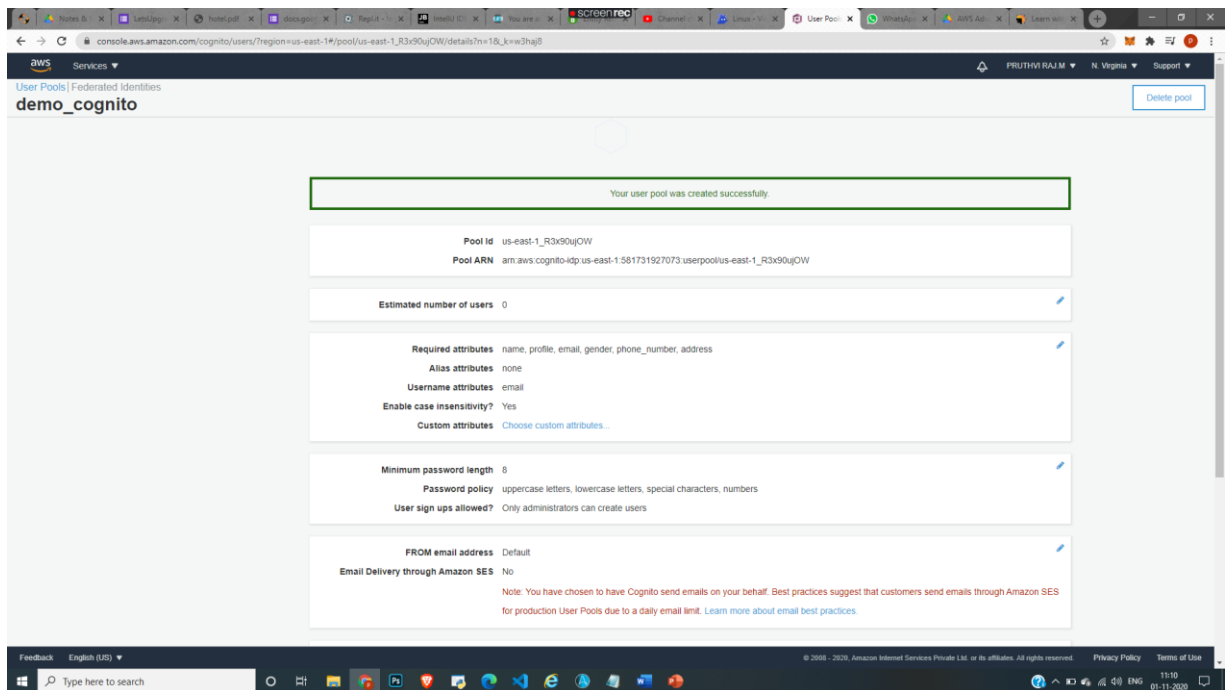
Tag Key	Tag Value
name	mousepool

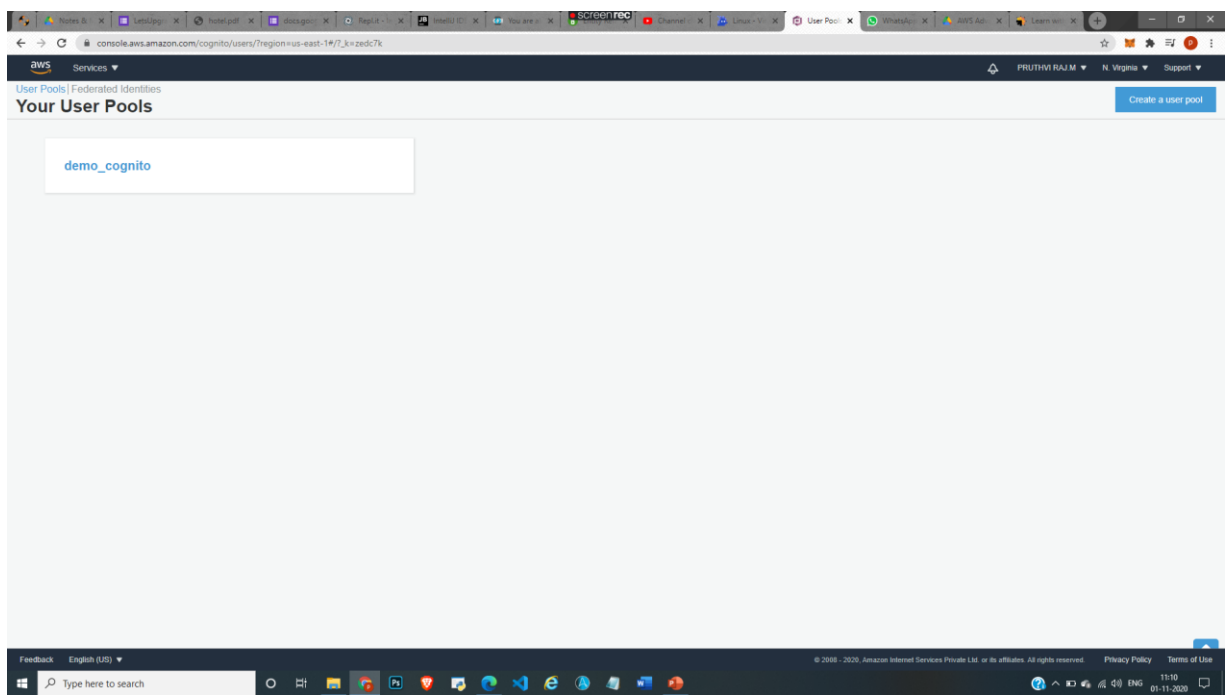
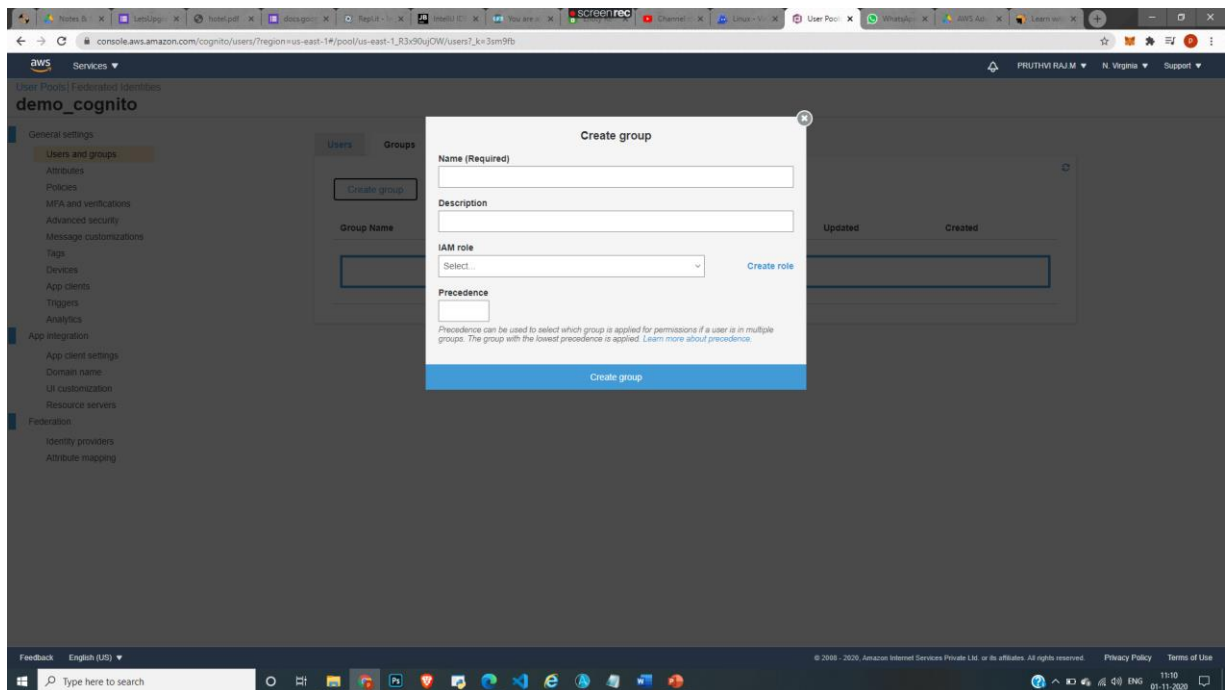
[Add another tag](#)

[Back](#) [Next step](#)

Feedback English (US)

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THE END...