

## Top 10 Games in 2025 – Gaming Showcase Server

Student Name: Tanzim Rashid

Student ID: 35300188

Unit Code: ICT171

IP Address: 13.55.186.20

Domain Name: <https://tanzimbestgames.click>

## 1. Project Overview

- Purpose: Create a showcase website listing the top 10 games in 2025.
- Example games: God of War, Assassin's Creed, Grand Theft Auto V, and Red Dead Redemption 2 etc.
- Tools used: HTML/CSS, EC2, Apache, Ubuntu.

## 2. Amazon EC2 Server Setup

- Cloud Provider: Amazon Web Services (AWS)
- Steps:
  - Launched EC2 instance (Ubuntu 22.04 LTS)
  - Choose t2. micro (free tier eligible)
  - Enable port 22(SSH), 80 (HTTP), and 443 (optional for SSL) in security group.
  - Used .pem key to SSH into instance:

`ssh -i "TopGame.pem" ubuntu@ec2-13-55-186-20.ap-southeast-2.compute.amazonaws.com`

```
PS D:\ICT-171> ssh -i "TopGame.pem" ubuntu@ec2-13-55-186-20.ap-southeast-2.compute.amazonaws.com
The authenticity of host 'ec2-13-55-186-20.ap-southeast-2.compute.amazonaws.com (13.55.186.20)' can't be established.
ED25519 key fingerprint is SHA256:e93ggftLc5UM4u1GiYVNsoN9HQ2h+SUikM/ZEco7bLw.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-55-186-20.ap-southeast-2.compute.amazonaws.com' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Mon Jun  9 12:47:24 UTC 2025

System load:  0.0          Processes:            104
Usage of /:   25.3% of 6.71GB Users logged in:        0
Memory usage: 20%         IPv4 address for enX0: 172.31.11.163
Swap usage:   0%
```

## 3. Web Server Installation

- Installed Apache:  
`sudo apt update`

```
ubuntu@ip-172-31-11-163:~$ sudo apt update
Hit:1 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1118 kB]
Get:14 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [238 kB]
Get:15 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [161 kB]
Get:16 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1078 kB]
Get:17 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [274 kB]
Get:18 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [376 kB]
Get:19 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [26.0 kB]
Get:20 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [1179 kB]
Get:21 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [245 kB]
Get:22 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:23 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [21.7 kB]
Get:24 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [4788 B]
Get:25 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [948 B]
Get:26 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [592 B]
Get:27 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Packages [39.2 kB]
```

```

Fetched 32.8 MB in 17s (1887 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
9 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

## sudo apt install apache2

```
ubuntu@ip-172-31-11-163:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64
  liblua5.4-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64
  liblua5.4-0 ssl-cert
0 upgraded, 10 newly installed, 0 to remove and 9 not upgraded.
Need to get 2084 kB of archives.
After this operation, 8094 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 libapr1t64 amd64 1.7.2-3.1ubuntu0.1 [
188 kB]
Get:2 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64 1.6.3-1.1ubuntu7 [91.9 k
B]
Get:3 http://ap-southeast-2.ec2.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1.1ubuntu
7 [11.2 kB]
```

- Modify Website:

Sudo nano /var/www/html/index.html

```
GNU nano 7.2 /var/www/html/index.html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Top 10 Games of 2025</title>
  <style>
    body {
      font-family: 'Segoe UI', sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
    }

    header {
      background-color: #2a2a2a;
      color: #ffffff;
      text-align: center;
      padding: 30px 20px 10px 20px;
    }

    header h1 {
      margin: 0;
      font-size: 32px;
    }

    header p {
```


#### 4. Domain Name Configuration:

- Registered domain (e.g., Games)

##### Record details

[Edit record](#)


Record name

 tanzimgames.click

Record type

A

Value

 13.55.186.20

Alias

No

TTL (seconds)

300

Routing policy

Simple

- Set an A Record to point to the EC2 public IPv4 address.