Micro-Project Report

Academic Year: 2024-25	Institute Code: 0078	Program: AIML
Course: Cloud computing for data science	Scheme: I	Semester: 5
Class: TYAN	Course Code:22594	Date of Report: 30/07/2024

Title of Micro-Project: Deployment of Entertainment website using Wordpress.

1.0 Problem Definition:

The project involves deploying an entertainment website using WordPress, focusing on user-friendly design and multimedia content management. The challenge is to create a visually appealing, scalable, and performance-optimized website that handles high traffic and multimedia. It must ensure easy content updates, security, and SEO optimization. The goal is to deliver a responsive, secure, and engaging site with smooth user experience.

2.0 Rationale:

The rationale for deploying an entertainment website using WordPress lies in its ability to efficiently manage and deliver dynamic, multimedia-rich content to a broad audience. WordPress offers ease of use, scalability, and a variety of customization options, making it ideal for creating a visually engaging site without extensive coding. Additionally, its SEO capabilities help boost visibility, while security and performance features ensure the site remains robust and protected. This project enables a cost-effective, scalable platform to attract and engage users in the entertainment space.

3.0 Aim /Benefits of Micro-Project:

The aim of this micro-project is to deploy a scalable, user-friendly entertainment website using WordPress, optimized for content management, performance, and SEO. It enables easy content updates, offers cost-effective development, and enhances user experience with multimedia support. The site will also benefit from improved search engine visibility and secure scalability to handle growing traffic efficiently.

4.0 Course Outcomes Achieved (COs):

CO505.1: Identify the architecture and infrastructure of cloud computing
CO505.2: Classify various cloud service models

5.0 Literature Review:

Research highlights the effectiveness of WordPress as a flexible and customizable platform for deploying entertainment websites, enabling easy content management and enhanced user engagement. Studies emphasize the importance of SEO strategies and responsive design in improving visibility and user experience. Additionally, implementing security measures within WordPress is crucial for protecting against cyber threats, ensuring a robust online presence.
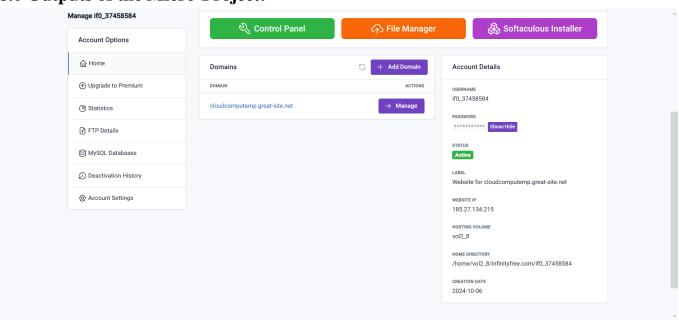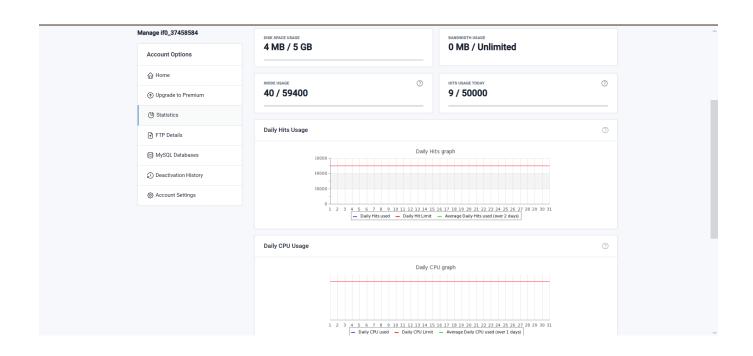
6.0 Actual Methodology followed:

i. **Planning and Requirement Analysis**: Defined target audience and key features for the website.
ii. **Domain Registration and Hosting**: Selected a reliable web hosting provider and registered an appropriate domain name.
iii. **WordPress Installation**: Installed the latest version of WordPress via the hosting control panel.
iv. **Theme Selection and Customization**: Chose and customized a responsive theme to align with the brand identity.
v. **Content Creation**: Developed engaging multimedia content organized into relevant categories.
vi. **SEO Optimization**: Implemented on-page SEO strategies to enhance search engine visibility.
vii. **Testing and Launch**: Conducted thorough testing across devices before launching the website, with a plan for ongoing maintenance and updates.

7.0 Actual Resources used:

S. No.	Name of Resource/material	Specifications	Qty	Remarks
1.	Laptop	Intel ® Celeron ® CPU i5 @ 2.30GHz, RAM: 8GB, HDD: 1 TB	01	For project work
2.	Operating System	Windows 10 x64 bit	01	For running project
3	Other software	Microsoft Office and other	01	For documentation
4	Development Software	AWS management console	01	For running project
5	Reference book:	"Amazon Web Services in Action" by Andreas Wittig and Michael Wittig	01	For reference
6	Websites	www.tutorialspoint.com https://www.youtube.com watch?v=e6w9LwZJFIA	02	For reference

8.0 Outputs of the Micro-Project:

Manage if0_37458584

Account Options

- ⌂ Home
- ⊕ Upgrade to Premium
- ⊙ Statistics
- 🗎 FTP Details
- 🗄 MySQL Databases
- ⟳ Deactivation History
- ⚙ Account Settings

MySQL Connection Details

MYSQL USERNAME
if0_37458584

MYSQL PASSWORD
*********** Show/Hide

MYSQL DATABASE NAME
if0_37458584_XXX
(see below)

MYSQL HOSTNAME
sql200.infinityfree.com

MYSQL PORT (OPTIONAL)
3306

List of MySQL Databases

DATABASE NAME	ACTIONS
if0_37458584_ccdmp	🗄 phpMyAdmin 🗑 Delete

➕ Create Database

Showing **1** to **1** of **1** results ‹ **1** ›
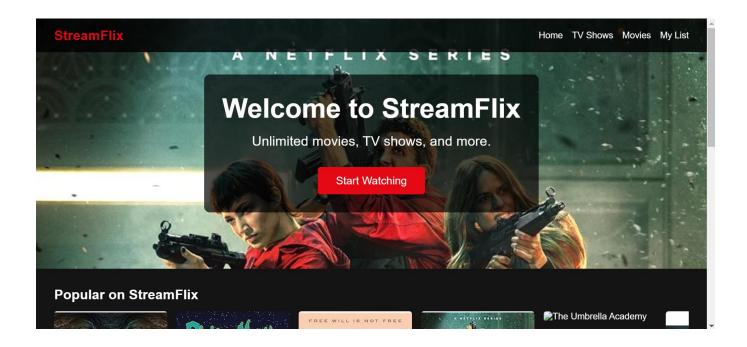
How to use MySQL

MySQL is a relational database system. If you want your website to have any kind of interactive functionality, like social functions or shopping features, or just want a way to manage your website's content easily without code, almost all websites use a MySQL database to store the data.

Are you having trouble establishing a database connection? Please see the article Common MySQL Connection Errors for more information.

🖥 Server: sql200.infinityfree.com » 🗄 Database: if0_37458584_ccdmp » 🗏 Table: ccdmp

▤ Browse	📝 Structure	🗄 SQL	🔍 Search	⟫ Insert	⬆ Export	📥 Import	✎ Operations

Table name: [ccdmp]   Add [1] column(s)   [Go]

Structure 💬

Name	Type 💬	Length/Values 💬	Default 💬	Collation	Attributes	Null	Index	A_I	Commen
	INT		None			☐	---	☐	
	INT		None			☐	---	☐	
	INT		None			☐	---	☐	
	INT		None			☐	---	☐	

Table comments: **Collation:**   **Storage Engine:** 💬

[ ]   [ ]   [MyISAM]

PARTITION definition: 💬

Partition by: [ ] ([Expression or column list])

Partitions: [ ]

[Preview SQL] [Save]

🖥 Console

StreamFlix   Home   TV Shows   Movies   My List

A NETFLIX SERIES

Welcome to StreamFlix

Unlimited movies, TV shows, and more.

[Start Watching]

Popular on StreamFlix

FREE WILL IS NOT FREE   A NETFLIX SERIES   🎬The Umbrella Academy

Popular on StreamFlix

The Umbrella Academy

Trending Now

Trending Now
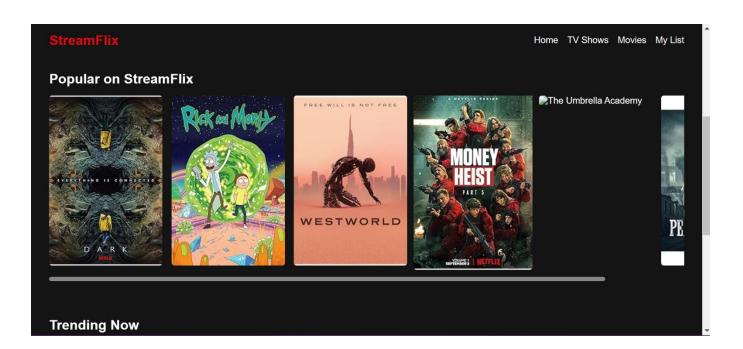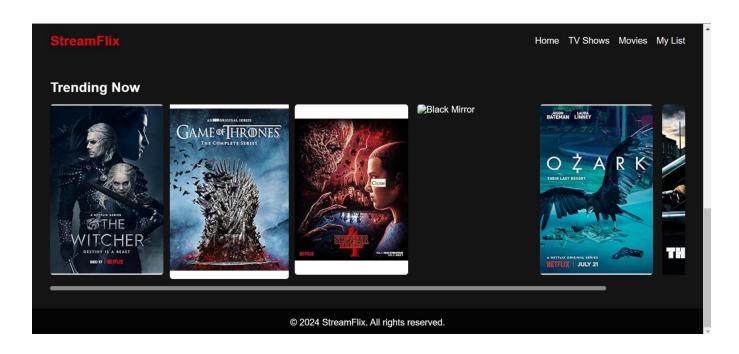
Black Mirror

Close

9.0 Skill Developed / Learning outcome of this Micro-Project:

- AWS Expertise: Gained hands-on experience with Wordpress and related services for cloud storage and content delivery.
- Website Development: Enhanced skills in designing and developing Entertainment platforms.
- Cloud Integration: Learned to integrate various WordPress services to optimize performance and security.
- Problem-Solving: Improved problem-solving skills through troubleshooting and optimizing cloud-based solutions.
- Project Management: Developed project management skills, including planning, implementation, and reporting.
- Collaboration: Strengthened teamwork and communication abilities through collaborative project efforts.

10.0 Applications of Micro Project:

1. **Content Delivery**: Provides a platform for sharing articles, videos, and music with a broad audience.
2. **Community Building**: Facilitates user interaction through forums and discussions around entertainment topics.
3. **Digital Marketing:** Promotes entertainment events and products through content marketing and social media.
4. **Monetization:** Offers revenue opportunities via ads, affiliate marketing, and subscription services.
5. **Analytics:** Gathers insights into user behavior to refine content strategies and enhance engagement.

11.0 Name of Group Members:

Enrolment No.	Roll No.	Name of Students	Signature
2200780492	42	Kaushal Sanjay Patil	
2200780501	49	Anuj Sopan Sanap	
23651010230	67	Omkar Satish Kshatriya	

Date: /   /   Evaluated by: Dated Signature of Guide: _____

Name of Guide: **Mrs.J.S.Mahajan**