#!/bin/bash

# Set variables

LOG\_FILE="/var/log/update.log"

GITHUB\_REPO\_DIR="/home/ubuntu/assignments/endpoints" # Update to your actual project path

WEB\_SERVER="nginx" # Change this to apache2 if you're using Apache

DATE=$(date +'%F %T')

{

echo "===== UPDATE STARTED: $DATE ====="

# Update Ubuntu package list and upgrade installed packages

echo "Updating package list and upgrading packages..."

if apt update && apt upgrade -y; then

echo "Ubuntu packages updated and upgraded successfully."

else

echo "ERROR: Failed to update or upgrade Ubuntu packages."

exit 1

fi

# Pull the latest changes from the GitHub repository

echo "Pulling latest changes from GitHub..."

cd "$GITHUB\_REPO\_DIR"

if git pull origin main; then

echo "Git pull completed successfully."

else

echo "ERROR: Git pull failed. Exiting without restarting the server."

exit 1

fi

# Restart the web server (nginx or apache2)

echo "Restarting the web server..."

if systemctl restart "$WEB\_SERVER"; then

echo "Web server ($WEB\_SERVER) restarted successfully."

else

echo "ERROR: Failed to restart the web server."

exit 1

fi

echo "===== UPDATE COMPLETED: $(date +'%F %T') ====="

echo ""

} >> "$LOG\_FILE" 2>&1

Output:

