







Computer Usage Timer

Overview

The **Computer Usage Timer** is a PyQt5-based desktop application that allows users to set a time limit for computer usage. Once the timer reaches zero, the computer will automatically lock to enforce screen time restrictions.

Features

-  **Set a timer** for computer usage
-  **Stop/Pause the timer** before it reaches zero
-  **Audio alert** plays 10 seconds before locking
-  **Auto-locks the computer** when time is up
-  **Cross-platform support** (Windows, Linux, macOS)
-  **System tray integration** for easy access

Requirements

Ensure you have Python installed, then install the required dependencies:

```
pip install PyQt5
```

How to Run

1. **Clone the repository** (or save the script locally)
2. Run the script using:

```
python computer_usage_timer.py
```

Usage

1. Open the application
2. Set the desired time limit using the time input field
3. Click **Start Timer** to begin countdown
4. Click **Stop Timer** to halt the timer if needed
5. When the time runs out, the computer will **automatically lock**

System Lock Methods

- **Windows:** Uses `LockWorkStation()`
- **Linux (GNOME/KDE):** Uses `gnome-screensaver-command -l` or `qdbus`
- **macOS:** Uses `osascript` to put the system to sleep

System Tray Integration

- The application minimizes to the **system tray**
- Right-click the tray icon to **restore** or **exit** the app

Notes

- Ensure `alert.wav` exists in the same directory for the warning sound
- A default icon (`icon.png`) is used for the system tray

License

This project is released under the GPL V3 **License**.