

# Technical Requirements – Cursed Countdown

Challenge is accessible on Memberspot: <https://pl-coding.mymemberspot.io/library/jx3b7Qik9ip5qpNI8IF2/FgYR5e2HfPtserJY1udz/Wugmu8EyYOH92IKTto5v/details>

## 🤖 Scenario

The user sees a screen with a countdown timer to Halloween. The timer runs in real time and updates every second, showing days, hours, minutes, and seconds.

Digits are displayed with a “flip effect”: the current digit smoothly scrolls down, the next digit slides in from above, and both previous and next values remain visible during the transition.

## 🎨 Figma Mockups

<https://www.figma.com/design/jBflfs7N6lphZE3Ue03Lot/Android-Halloween-Lab?node-id=2023-382>

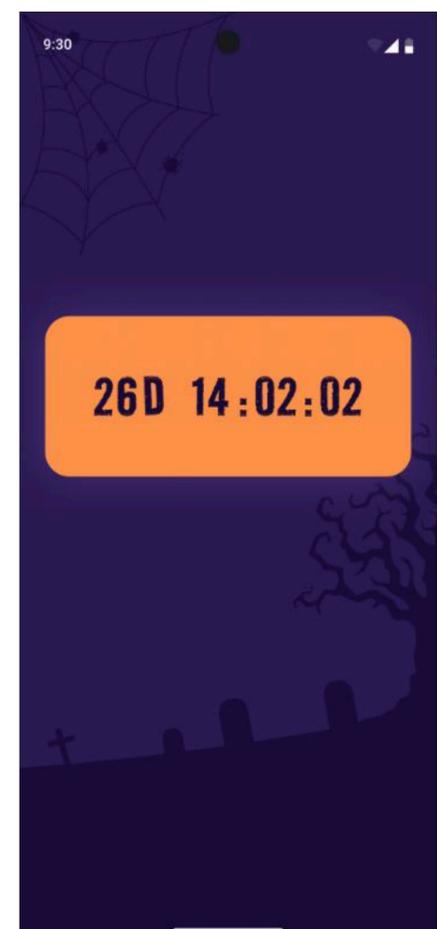
## 🔠 Fonts - [Road Rage](#)

## 🎯 Feature Goal

Implement a **countdown screen to Halloween** that displays the remaining time in the format **DD hh:mm:ss** with a smooth flip-style digit animation.

## 📌 Requirements

- Display a **countdown to October 31**.
- Format:
  - Number of days + letter **D** (e.g., **26D**)
  - Then hours, minutes, and seconds in **hh:mm:ss** format.
- Timer updates **every second**.
- Digit animation behavior:
  - When a digit changes, it smoothly moves from top to bottom, transitioning to the new value.
  - The animation should feel soft and continuous, with no flickering or stuttering.
  - Only a single centered timer line is displayed — no additional lines above or below.



### 💡 Extra Challenge (optional):

If you want to push yourself further, try implementing an advanced “flip effect” animation — where the current digit scrolls downward and the next one slides in from above, creating a smooth flipping transition.



### 🤔 What's Allowed?

- Standard Android/Jetpack libraries
- Jetpack Compose animation APIs
- No 3rd party libraries are allowed or would be required to complete this challenge

### ⚠️ What's not important

- Responsiveness across all device sizes.
- Complex transition effects outside the digit flip animation.

### 🔗 Useful Links for This Challenge

- [How to Create an Animated Counter Text](#)
- [CountDownTimer](#)
- [Compose Animations – Composables & Modifier](#)
- [Value-Based Animations](#)
- [How You Use an AI Coding Agent](#)

### 🏆 Submission & Rewards

- Successfully submitting this challenge via the `/submit-challenge` command on Discord grants you **100 XP**.
- Your submission must include:
  - a. A link to a Gist with your implementation
  - b. A screen recording (max 20 seconds) showing:
    - The **initial state** (countdown starting from the **current time** at the moment of recording).
    - The digit flip animation running for at least **5 seconds**, so that multiple digit changes are clearly visible.