



# Swift Count App

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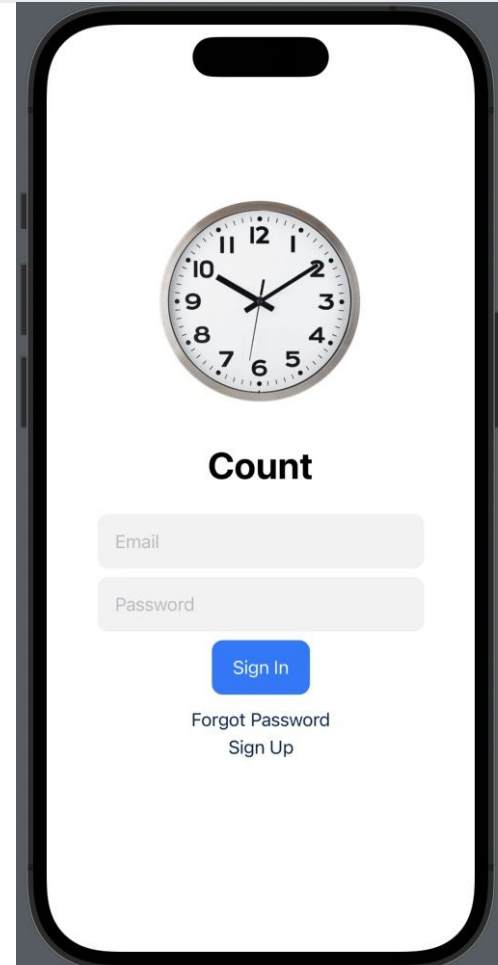
## **What is our project?**

An app that will count down on the days remaining of projects, assignments, etc.

It is similar to a task manager but with a simple countdown of days for those who enjoy countdowns.

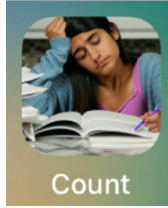
## Log In

Upon opening the app for the first time, users are met with this login page.





## App Icon

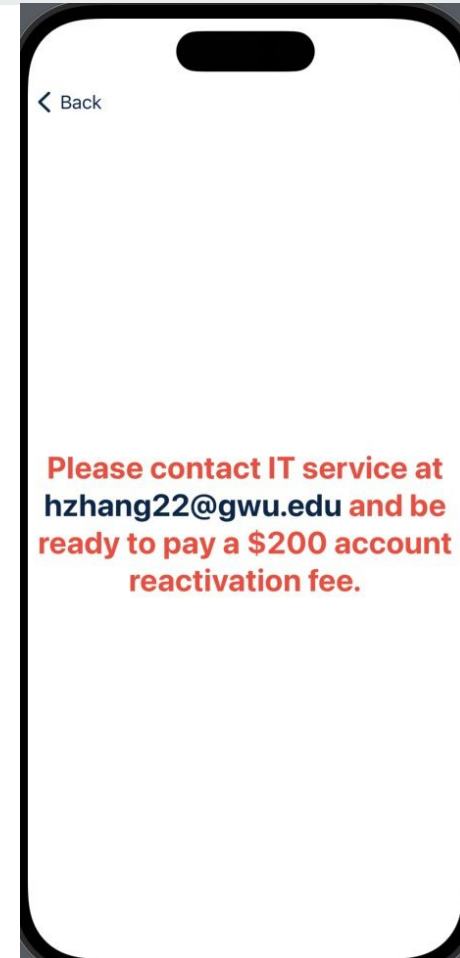


DALL•E 2 is an AI system that could create realistic images from natural language.



## Forgot Password

When clicking Forgot Password, users will be greeted with a message.





## User Interface

- Swift UI is a declarative framework for building apps for any Apple platform. Use Swift UI to define the UI and behavior of an app using a single language and common API.

Storyboard:

- The initial user interface for loading the app. User will stay in this interface until the app is fully initialized.
- Was Initially set up using GWU Blue: with CMYK 100 63 12 67 RGB 0 31 74



## Details

- Navigation Hierarchy: traverse a stack of views in a hierarchy
- Property Wrapper: encapsulates a common property-initialization pattern, helping you add behaviors to your properties efficiently. SwiftUI uses the @State and @Binding property wrappers, among others, to help you maintain sources of truth that your views can readily access.
- State: Updating anything related to the property
- Binding: Two way connection



## Notes

- 1.Required Metadata: XCode templates have default Info.plist. We could declare the app's specific hardware and software requirements. Currently, we are using the default.
- 2.Entry point of the app: the **CountApp** file: ContentView() created a new screen.
- 3.All resources (images, videos, etc) are under the **Assets**.
- 4.SF Symbols: preinstalled icons on IOS
- 5.Login function: Built the first page. Code written on **ContentView**.

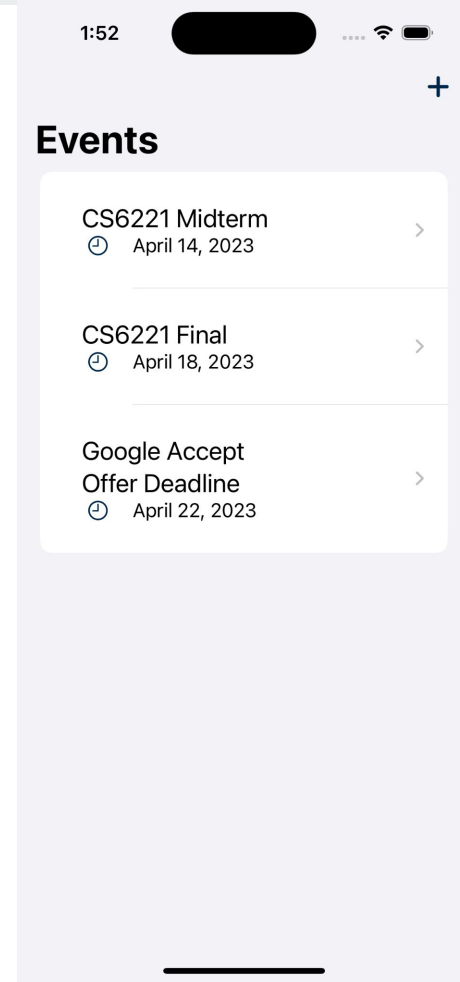




## Main interface

In the main interface, users can click on the + button to add a task that needs counting down to.

Each tasks are displayed with their name and deadlines.

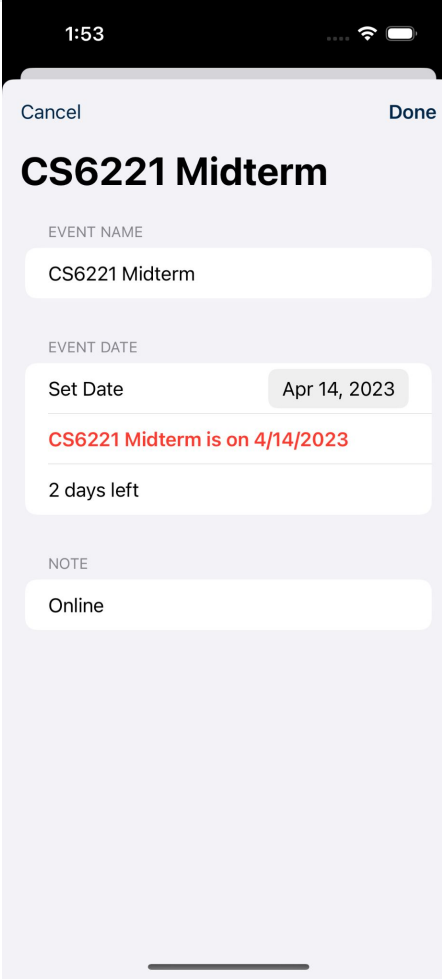




## Tasks and Countdown

Each tasks can be modified to set a day in which it is due.

It will displays the number of days you have left



1:53

Cancel Done

### CS6221 Midterm

EVENT NAME

CS6221 Midterm

EVENT DATE

Set Date Apr 14, 2023

**CS6221 Midterm is on 4/14/2023**

2 days left

NOTE

Online



# Demo time



## Weaknesses and Potential

- Database
- Concurrency
- Potential features: countdowns not on dates, countdown + button or - button

Thank you



1:53

< Events

Edit

## CS6221 Final

### EVENT INFO

🕒	Count Down	0 days
📅	Due Date	April 12, 2023

### NOTE

when the thousand years are ended,  
Satan will be released from his prison