

Semester 1 Code Review

# Aureate



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# Project Objectives & Purpose

01

## Target Audience

Students and working adults

02

## Journal

Can take it slow and journal your thoughts

03

## Planner/To-do

- Manage important events and tasks
- Connected to Apple Calendar and Reminders

04

## Habit Tracker

Track habits and progress

The background is a watercolor-style illustration. On the left, there's a large, light beige wash. Overlaid on this are several celestial elements: a dark blue brushstroke at the top, a long orange brushstroke below it, a small brown dot, a dark grey circle, and a larger dark grey circle with an orange brushstroke passing through it. At the bottom left, there's a textured orange and red circular shape. On the right side, there's a small yellowish-brown circle and a large, detailed celestial body with grey and yellow textures, possibly representing a planet or moon, with a dark blue shadow beneath it.

And now...

**DEMO!**



Journal

Planner

To-Do

Habit Tracker

Dream Tracker

Edit



Entry Name



## 4 Entries

Can ducks sink

Monday, December 13, 2021 at 10:34:21 AM Pacific Standard Time



My journey through space

Monday, November 29, 2021 at 10:07:38 AM Pacific Standard Time



Spicy Tacos

Friday, January 21, 2022 at 10:35:08 AM Pacific Standard Time



When life gives you lemons

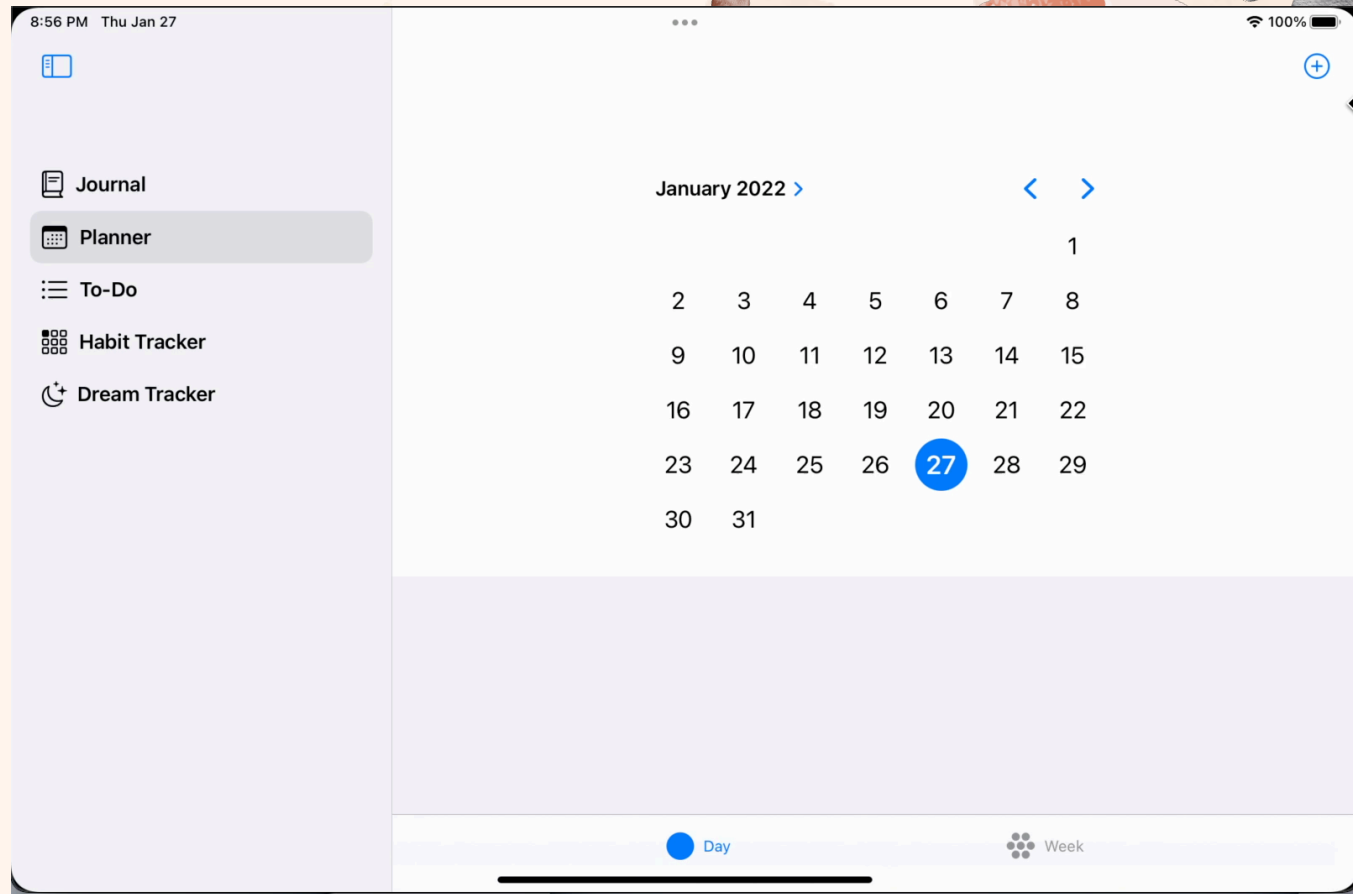
Monday, November 29, 2021 at 10:07:31 AM Pacific Standard Time



# Journal Tab



# Planner & To-Do Tab





Journal

Planner

To-Do

Habit Tracker

Dream Tracker



✓ # Completed: 2 / 180 days Exercise

✓ # Completed: 9 / 30 days Journal

✓ # Completed: 6 / 180 days Read Life of Pi

✓ # Completed: 0 / 120 days Walk the dog

✓ # Completed: 3 / 10,000 days Water Plants

Track Habits

All Habits

# Habit Tracker Tab

# Technical details

## To-Do Section

```
struct ReminderRow: View {
    @Binding var reminder: EKReminder

    var body: some View {
        Toggle(reminder.title, isOn: $reminder.isCompleted)
            .onChange(of: reminder.isCompleted) { newValue in
                complete(reminder)
            }
    }
}

func complete(_ reminder: EKReminder){
    reminder.isCompleted = true
    do {
        try Reminders.eventStore.save(reminder, commit: true)
    } catch {
        print("Cannot save")
        return
    }
}
```

```

@State private var habitDayCountArray = ["7", "14", "30", "180", "365", "Other"]
@State private var habitSelected = "Other"
@State private var habitOtherSelected = "Enter number of days"

var body: some View {
    List {
        Section(header: Text("Name")){
            TextField("Name", text: $habit.wrappedName)
        }
        Section(header: Text("Completed Days")){
            Text("\(habit.wrappedCompletedNum)")
        }
        Section(header: Text("Track habit for")) {
            HStack{
                Picker("Track habit for:", selection: $habitSelected){
                    ForEach(habitDayCountArray, id: \.self) {
                        Text($0)
                    }
                }.pickerStyle(SegmentedPickerStyle())
                .onChange(of: habitSelected) { newHabitSelection in
                    if(!newHabitSelection.contains("Other")) {
                        habit.wrappedDuration = Int32(newHabitSelection) ?? 320
                    } else {
                        habitSelected = "Other"
                        habit.wrappedDuration = Int32(habitOtherSelected) ?? 10
                        print(habitOtherSelected)
                    }
                }
                TextField("Enter number of days", text: $habitOtherSelected)
                    .hidden(!habitSelected.isEqual("Other"))
                    .onChange(of: habitOtherSelected){ value in
                        habit.wrappedDuration = Int32(value) ?? 10
                    }
            }

            Text("days")
        }
    }
    Section(header: Text("Description")){
        TextEditor(text: $habit.wrappedDetails)
    }
}
.onAppear {

```

# Technical Details

Habit Tracker:  
- Event Handlers

```

.onAppear {
    if(habitDayCountArray.contains(String(habit.wrappedDuration))) {
        habitSelected = String(habit.wrappedDuration)
    } else {
        habitSelected = "Other"
        habitOtherSelected = String(habit.wrappedDuration)
    }
}

```



# Summary: Good & Bad



Toolbar in the to-do

Used to using navigtionbar



Completing a to-do



“Other” duration



Completed Everything I Wanted to Learn How To Do

Thank You!

