Mediminder 💊

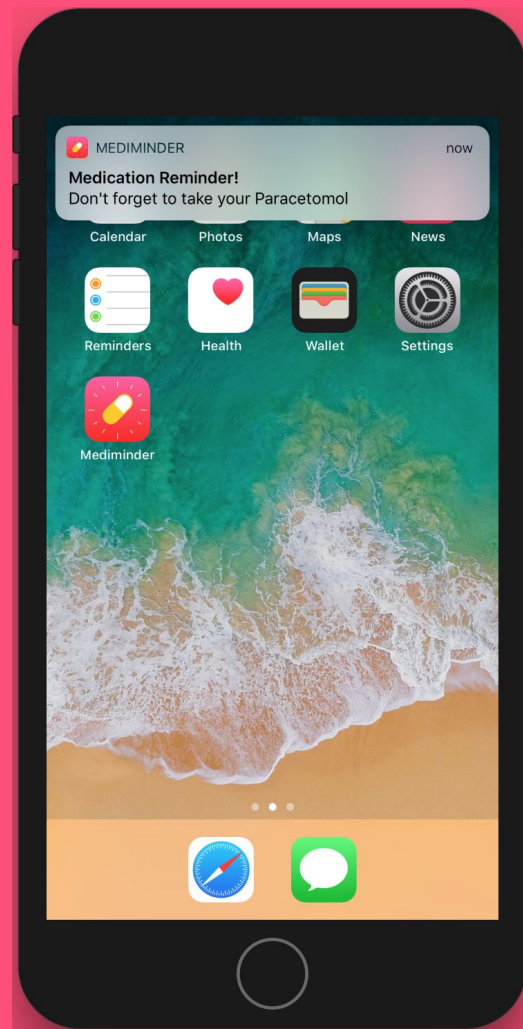**Brought to you by team**

Hate **S**wift, **J**ust **K**idding
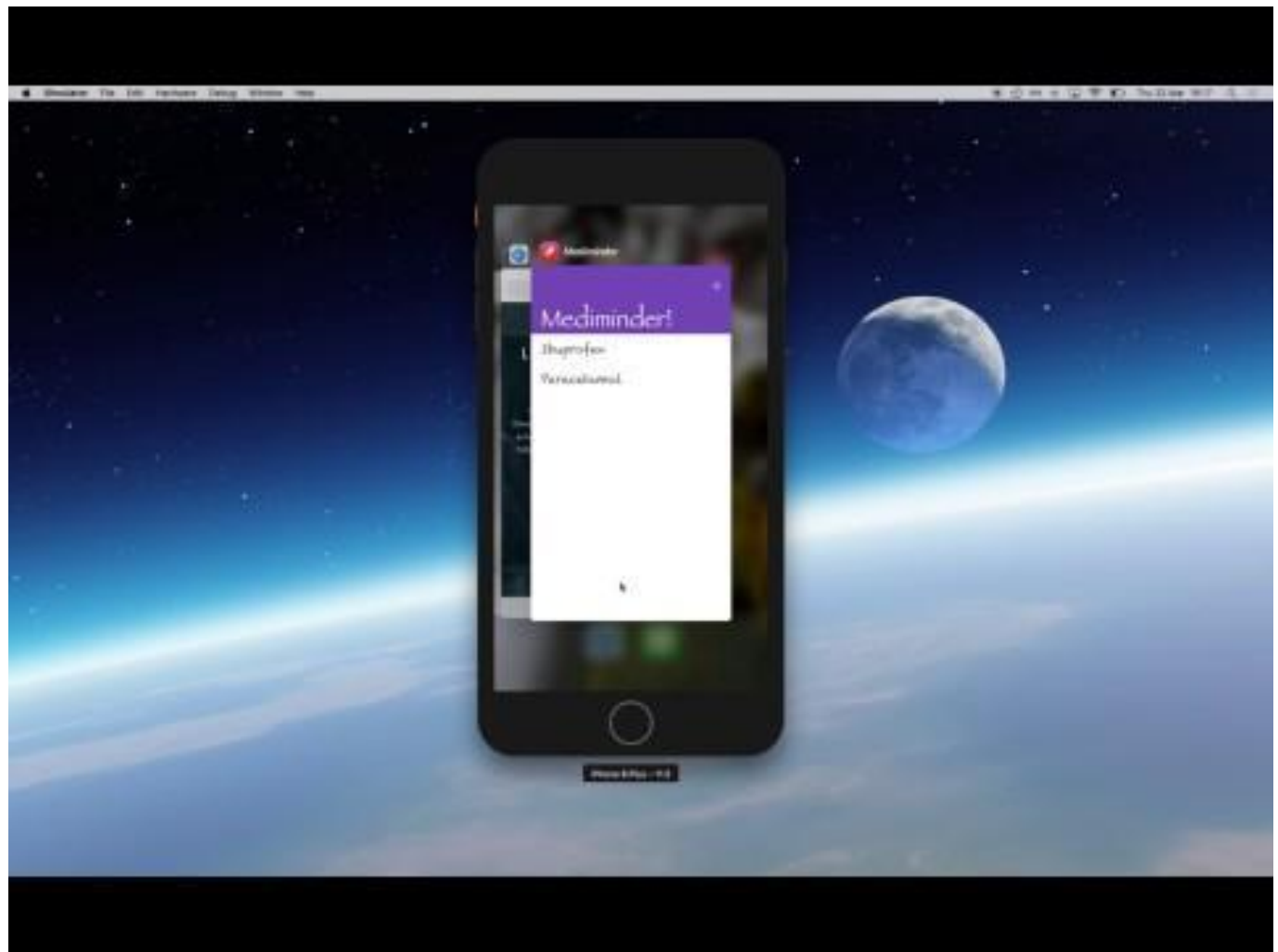
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What is Mediminder?

Ever been prescribed a course of medication but completely forgotten to take the right dose at the right time? That's where Mediminder comes in.

With notifications reminding you to take your medication, Mediminder is an app that allows you to manage your medication schedule with ease.

Demo

Approach

Monday
Identified scope of MVP and followed Swift, Xcode and testing tutorials to gain familiarity with new tech

Wednesday
Met requirements of MVP

Friday
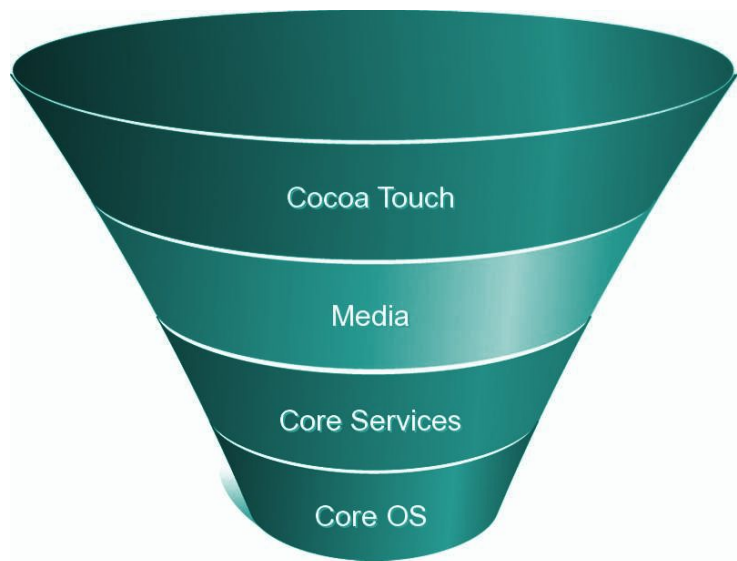Knowledge share session and further testing

Tuesday
Began working on MVP

Thursday
UI testing

Technical details

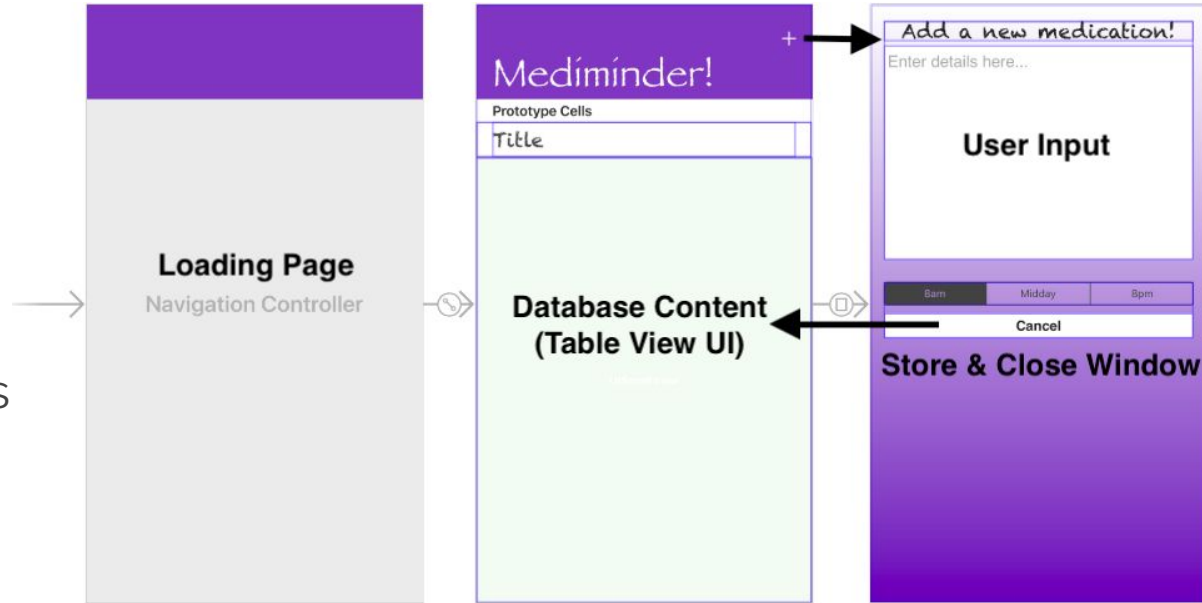The iOs API stack can be broken down into four individual segments:

1. **Cocoa Touch** - UI framework
2. **Media** - Rendering Infrastructure
3. **Core Services** - Database + EventKit
4. **Core OS** - System Config

Technical details

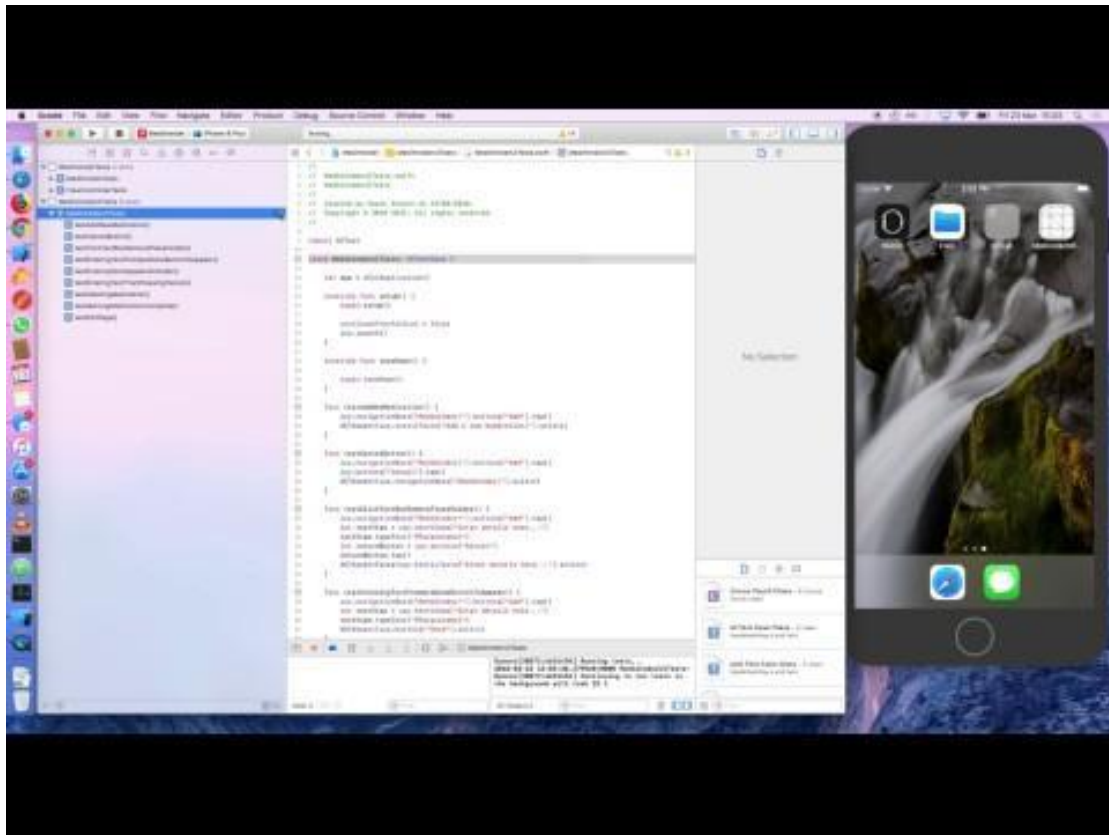1. NavigationController
2. TableViewController
3. AddViewController

Most of our functions are contained within the AddViewController, as this is where the Database content can be accessed, edited, and saved.

Loading Page
Navigation Controller

Mediminder!

Prototype Cells
Title

Database Content (Table View UI)

Add a new medication!
Enter details here...

User Input

| 8am | Midday | 8pm |

Cancel

Store & Close Window

Testing

➔ Difficult to apply test **driven** development in a new language

➔ Used XCTest and the simulator feature in Xcode to test robustness of user interface

➔ XCTest evaluates and reports success and failure and provides information in the debugging console

➔ Unit tests still outstanding 😱

Challenges

➜ **Unit testing and following TDD**
Difficult to test logic without understanding how Swift works

➜ **Learning a new language**
Balancing learning a new language with fulfilling the requirements of MVP by Tuesday evening

➜ **Division of tasks**
Difficult to split tasks due to interdependencies

Successes

➜ **Learnt something new**
Started with zero knowledge of Swift, Xcode and XCTest and finished the week with a working app

➜ **Communication**
Morning stand-ups, afternoon retro, ad-hoc check-ins and knowledge sharing sessions

➜ **Team spirit**
Tried to embody XP values and motivated each other in face of challenges

Ideas for extension

➜ **Custom notifications**
Allow the user to select the frequency at which they wish to be reminded and type of notification (SMS, iCal event or push notification)

➜ **Information about medication**
Provide supplementary information about medicines selected such as whether they should be taken with food or drink

➜ **Monitor general health**
Add the ability to monitor weight or blood pressure

Thank you!