

# App intro



What's your App?

이 프로젝트는 나노챌린지 기간 중 학습했던 내용을 소개합니다.



Home



swift



SwiftUI



git



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# App intro



The screenshot shows the Xcode interface with the 'Sproutish' project open. The left sidebar displays the project structure, including 'Sproutish', 'SproutishApp', 'ContentView', 'Assets', 'Preview Content', 'SproutishPlantSupport', 'PlantCatalog', 'SproutishTests', 'SproutishUITests', and 'SproutishLaunchTests'. The main editor window shows the 'main.swift' file with the following code:

```

1 func getUSDAZone(latitude: Double) -> Int {
2     // Returns the USDA Plant Hardiness Zone based on the latitude
3     //
4     var USDAZone:Int
5     switch latitude {
6         case 0.0...<7.0:    USDAZone = 13
7         case 7.0...<14.0:   USDAZone = 12
8         case 14.0...<21.0:  USDAZone = 11
9         case 21.0...<28.0:  USDAZone = 10
10        case 28.0...<35.0:  USDAZone = 9
11        case 35.0...<42.0:  USDAZone = 8
12        case 42.0...<49.0:  USDAZone = 7
13        case 49.0...<56.0:  USDAZone = 6
14        case 56.0...<63.0:  USDAZone = 5
15        case 63.0...<70.0:  USDAZone = 4
16        case 70.0...<77.0:  USDAZone = 3
17        case 77.0...<84.0:  USDAZone = 2
18        default:            USDAZone = 1
19    }
20    return USDAZone
21 }
22 }
23
24 func soilVolume(lowerRadius: Float, upperRadius: Float, height: Float) ->
25     // Calculates the volume of soil in the pot
26     //
27     let outer = Float.pi * 1/3
28     let inner = (lowerRadius * lowerRadius) + (lowerRadius*upperRadius) +
29                 upperRadius)
30
31     return inner * outer * height
32 }
33
34 func water(plant: String){
35     // Calls the soil percolation model
36     //
37     - = soilVolume(
38         lowerRadius: 1.0,
39         upperRadius: 2.0,
40         height: 3.0)
41
42 }
43
44 func getPlantIDfromName(plantName: String) -> Int {
45     return lookupName(plantName: plantName)
46 }
47
48 }
49
50
51
52
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74

```

MacBook

## Swift

배우기 쉬운 강력한 프로그래밍 언어인  
스위프트를 공부합니다.



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## SwiftUI

모든 애플 플랫폼에서 UI를 선언하고, 보다 빠르게  
아름답고 역동적인 앱을 만들 수 있게 합니다.



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swift



SwiftUI

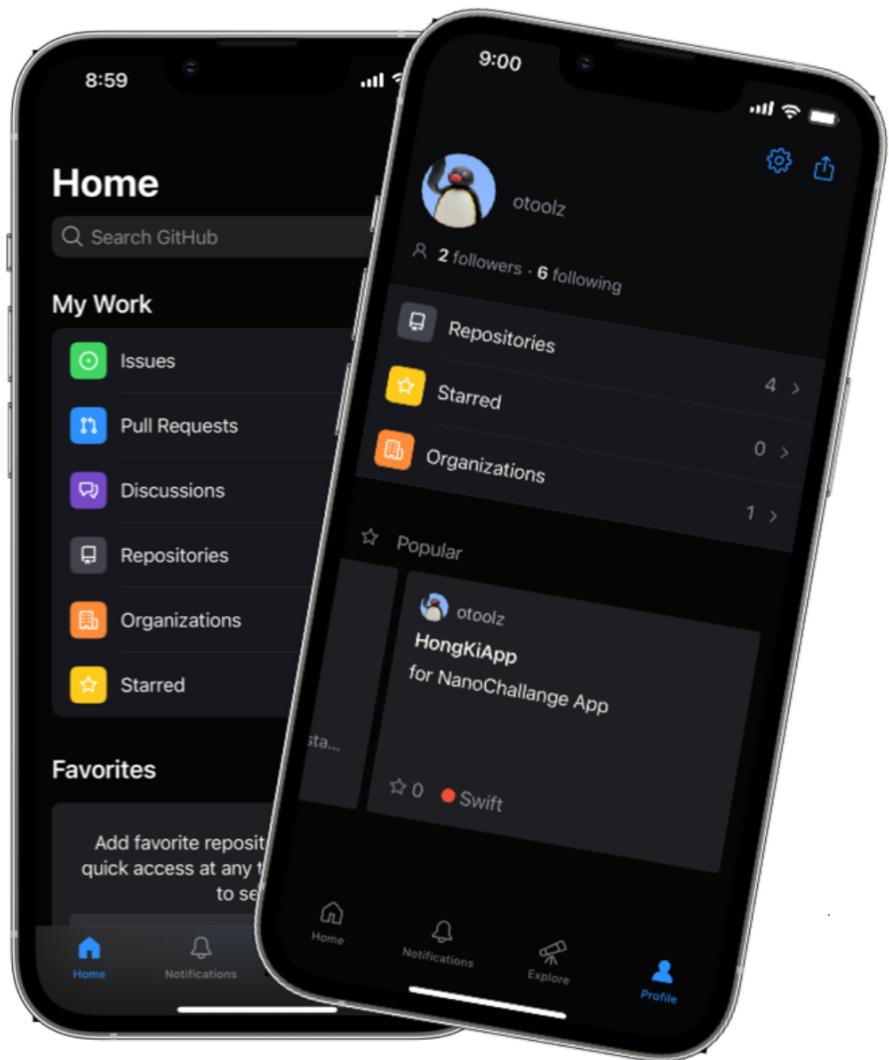


git



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# App intro



## Git

프로젝트의 버전 관리와 협업을 좀더  
완벽하게 만들어줍니다.

...



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2:49



# Swift



## Enumerations

Let's study Enumerations



## CollectionType

Let's study CollectionType



## InstanceMethod

Let's study InstanceMethod



## Computedproperties

Let's study Properties



## Async/Await

Let's study Async/Await



## Codable

Encoding and Decoding your custom type



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## Enumerations



# Swift

=

# Enumerations

An *enumeration* defines a common type for a group of related values and enables you to work with those values in a type-safe way within your code.

If you are familiar with C, you will know that C enumerations assign related names to a set of integer values.

Enumerations in Swift are much more flexible, and don't have to provide a value for each case of the enumeration. If a value (known as a *raw value*) is provided for each enumeration case, the value can be a string, a character, or a value of any integer or floating-point type.



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# SwiftUI



## Button

push the Button



## Picker

Picker's Pick



## Color Picker

pick your Color



## Date Picker

What is date today?



## Slider

drag the slider



## Stepper

one step, two step



## Navigation Link

navigationLink to destination



## Link

link to web



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## Date Picker

## Date Picker



Today : 2022년 5월 9일 월요일

Your Pick : 2022년 5월 9일 월요일

## DatePicker Style

.compact

5/9/22

.wheel

2018년	7월	6일
2019년	2월	7일
2020년	3월	8일
2021년	4월	9일
2022년	5월	10일
2023년	6월	11일
2024년	7월	12일
2025년	8월	



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# Git



## Git Flow

Branching workflows



## Start a Project

Create a local repo



## Make a Change

How to add a file and commit



## Branch

branch basic



## Merging branch

how to merge branch



## Rebasing

rebasing feature branch onto main



## Undoing Things

undoing you did things



## Review Repo

review your repo



## Stashing

git stashing



## Synchronizing

repo synchronizing



Home



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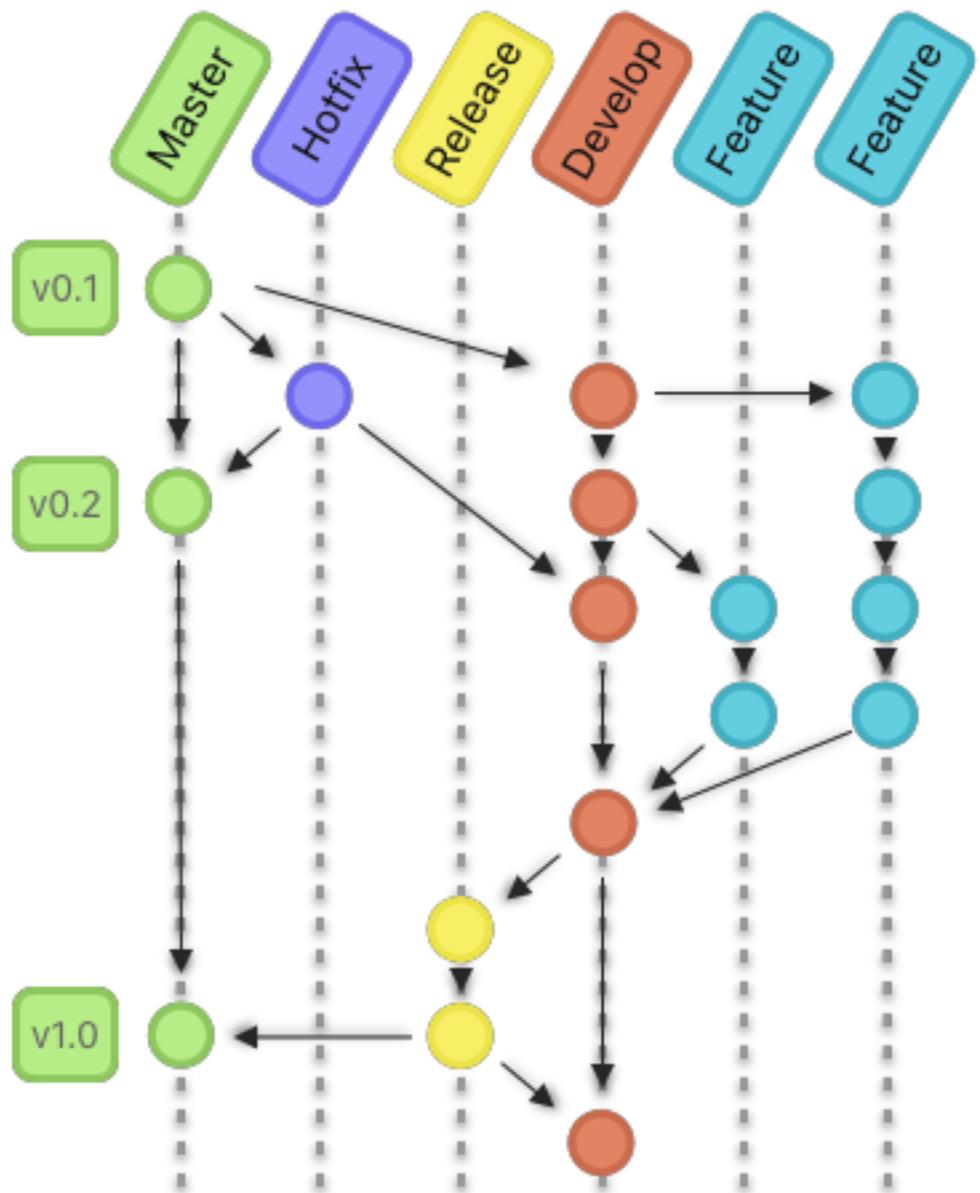
git



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## Git Flow



**master** : 제품으로 출시(배포)할 수 있는 브랜치

**develop** : 다음 버전을 개발하는 브랜치

**feature** : 단위별로 기능을 개발하는 브랜치  
(완료 후 develop과 병합)

**release** : 배포 전 QA를 통해 버그를 찾아내기 위한 브랜치

**hotfixes**: master에서 발생한 버그를 긴급하게 수정하는 브랜치



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# HongKi



“

오늘도 열심히!!

”

## TECH

kiwhong22@pos.idserve.net

010-7101-6000

## Achievement



Swift

**87** %



SwiftUI

**76** %



Git

**22** %



Home



swift



SwiftUI



git



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2:51



## HongKi Edit

save

### Life Quotes

오늘도 열심히!!

### Background

TECH ▼

TECH

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### Achievement

swift 87%



swiftUI 76%



git 22%

