

Swift iOS Roadmap

Intro Session:

- Assess students skills and tailor the theoretical part to be accommodated to their level:
- OOP concepts
- Swift syntax
- iOS concepts
- Memory Management
- Good practices (RAII, SOLID, rule of 3/5)

Configure GIT:

- Install Source Tree
- Create a new empty repository
- Create a new file in your repository, add some lines in it and commit it on master branch
- Make some modifications to the file and commit them. Do this multiple times.
- Create a new branch. Do step 4 again. Now merge your new branch into master. Solve the conflicts if they appear.
- After the merge on step 5, apply a tag on the merge. Give it any name you like

Configure Xcode:

- Install Xcode from AppStore
- Create a new Playground
- Learn how to use Playground

Swift:

- Variables and Constants
- Data Types
- Math Operators
- If Statements
- Switch Statement
- For-In Loop
- While Loop
- Functions Pt. 1
- Functions Pt. 2
- Classes
- Subclassing
- Initializers
- Optionals
- Properties
- More Initializers
- Arrays
- Dictionaries

iOS Application:

- How to create a Sample App in Xcode
- App Settings
- UI Kit
- Simulator
- iOS Versions
- iPad