Date: Monday, Jan 10th, 2022

Attendees: Tra, Tan

**iOS TRAINING (SWIFT) START**

Time: Every Wednesday, 5h15-6h

Books:

* Programming iOS 14 Dive Deep into Views, View Controllers, and Frameworks by Matt Neuburg
* iOS 14 Programming Fundamentals with Swift Swift, Xcode, and Cocoa Basics by Matt Neuburg

iOS tutorials: <https://developer.apple.com/tutorials/app-dev-training/getting-started-with-scrumdinger>

# Objectives:

* Can develop an iOS app that meets the flowing requirements:
  + UIKit / SwiftUI
  + 3-tier architecture
  + Dependency injection
  + Testing:
* unit test
* integration test
* e2e test (appium)
* Understand the concepts in Swift:
  + Threads
  + Modular architecture
  + Background tasks

# Preparation before the meeting

* Doc of what you have researched and learned
* Tips: What/When&Why/How format
* Cite the source that you refer
* A demo built
* Video demo

# Activities in the meeting

* Present what you have researched and learned

# **iOS TRAINING PROCESS**

## Basics

* Build your first app
* iOS development frameworks:
  + UIKit
  + SwiftUI

## 3-tier Architecture

* Repository pattern / Data access layer
* Domain (business) layer
* Presentation layer

## Technique

* Dependency injection

## Testing

* Unit test
* Integration test
* E2E test - Appium test

## Other concepts

* Modular architecture
* Threads
* Background tasks

## How to process training

* Build shortly documents (md) for what you understand - Tips: What/When&Why/How format
* Build demo
* NOTE: do by yourself - don't copy