GETTING STARTED IN IOS DEVELOPMENT IN SWIFT



TABLE OF CONTENTS

Preface	4
CHAPTER ONE: INTRODUCTION TO SWIFT AND XCODE	5
I. Swift and iOS	5
II. what should you learn to build an app?	6
CHAPTER TWO: prepare for HELLO WORLD APP	7
I. what hardware do i need?	7
II. Get an Apple id	8
III. Install & configure xcode	9
IV. Start your first Xcode project	11
V. Get To Know The Working Interface	14
VI. Run Your App For The First Time	15
Exercise #1	16
Exercise #2	17
SUMMARY	17
CHAPTER THREE: XCODE PROJECT AND FILES	18
I. PROJECT STRUCTURE	18
II. STORYBOARDS	19
III. Swift Files	21
IV. OTHER SUPPORTING Files	21
Exercise #1	22
Exercise #2	24
CHAPTER FOUR: USER INTERFACE OF THE HELLO WORLD APP	25
I. Overview of the function	25
II. Modify Main.storyboard	26

III. Link The Button To ViewController	30
IV. Test The Modifications	33
Exercise #1	34
Exercise #2	34
SUMMARY	35
CHAPTER Five: documentation and basic swift	36
I.Overview of ViewController.swift	36
II.A Swift Tour And Playground	38
III. Simple Values	39
IV. Control Flow	42
V. Functions and Closures	45
Exercise #1	48
Exercise #2	48
SUMMARY	49
CHAPTER SIX: INTRODUCTION TO DESIGN PATTERN MVC	50
I. Overview of The MVC pattern	50
II. Apply MVC To Hello World App: VIEW	51
III. Apply MVC To Hello World App: MODEL	
VI. Apply MVC To Hello World App: CONTROLLER	
V.MORE MVC	



Do you enjoy using iPhone and all the amazing apps in the Apple AppStore? If your answer is yes and you want to build your own app, this book is perfect for you to get your programming journey started!

This book will cover everything you need to learn to build your own app and for iOS app development. If you are an absolute beginner with no programming background or experience, don't worry! In my opinion, one of the beauties about learning mobile app developments compared to the hard core computer science is that you don't really learn until you get your hands dirty and really build something of your own. So if you are a beginner, just follow the instructions step by step, and I'm sure that your app is going to be awesome little by little.

In this book, I will show you step by step how to build an app using Xcode and other tools that Apple provides to its developers. If you want to build your own apps with your app ideas, you don't need to finish the whole book to get started. The first half of this book is about some basic concepts and approaches, which you are going to need no matter what you're trying to build. However, the second half is about the cool features that are introduced to iOS 11 and 12 which can make your app look and feel better. So if you want to add a certain feature to your own app, just jump right to the corresponding chapter and follow the template.

Can't wait to get started? Let's build your first app!