

FLUTTER & DART COURSE CONTENT

CHAPTER 1: INTRODUCTION TO FLUTTER

- Introduction
- What is Flutter?
- Architecture of Flutter
- Material Design
- Layouts
- Widgets
- Flutter HTTP
- App Development

CHAPTER 2: INTRODUCTION TO DART

- What is Dart?
- Variables
- Collections
- Functions and Flow Controls
- Handling Error

CHAPTER 3: UNIFIED APP DEVELOPMENT

- Build
 - Beautiful App UIs
 - Fluid Coding Experience
 - Full-features Apps
- Optimize
 - Test
 - Debug
 - Profile
- Deploy
 - Compile
 - Distribution

CHAPTER 4: LAYOUTS

- Container Widgets
- Row/Column Widgets
- List Widgets
- Grid view
- Stack

CHAPTER 5: FLUTTER APP DEVELOPMENT

- Introduction
- Scaffold
- Flutter Lists
- Navigation
- Charts
- Handling User Input
- Model and User Management

CHAPTER 6: INPUT & SELECTIONS WIDGETS

- Textfield
- Buttons
- CheckBox
- Radio
- Slider
- Switch

CHAPTER 7: FLUTTER BASICS: LANGUAGES

- Flutter Basics Introductions
- Flutter & Firebase
- Support Material
- Variables & Primitive Types
- Lists & Maps
- Wrap Up

CHAPTER 8: FLUTTER: FIREBASE

- Introduction
- Firebase Services
- Firebase Analytics
- Authentication
- Cloud Messaging
- Growth and User Engagement

CHAPTER 9: DART PROGRAMMING LANGUAGE

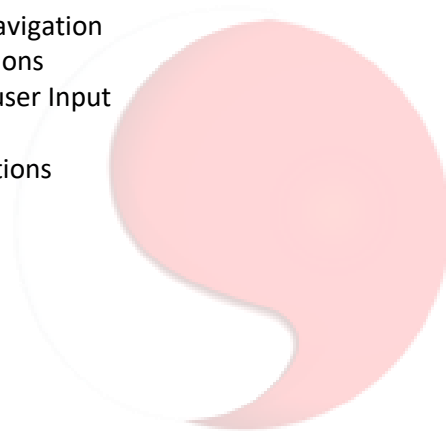
- Introduction
- Coding Style and Naming Convention
- Numbers – Integers and Doubles
- Booleans
- Dart – Concatenation
- Dart Operators – Arithmetic
- Relational Operators in Dart

CHAPTER 10: FLUTTER ANIMATIONS

- Introduction
- Counter Animation
- Separating Animating Logic
- Profile Page Animation – Introduction
- Model and Data Classes
- Showing Image and Backdrop Opacity

CHAPTER 11: FLUTTER AND DART

- Setup Instruction
- Debugging Tips & Tricks
- Page Navigation
 - Tabs
 - Side Drawers
 - Stack-based Navigation
- State Management Solutions
- Handling and Validating user Input
- User Authentication
- Animation & Page Transitions



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