

Sunrule Digital
Solutions



IOS/ ANDROID

Flutter App

Development Course



FLUTTER FRONTEND

13. FLUTTER WIDGETS: PART 3

- 13.1. TEXTFIELD
- 13.2. TEXTFORMFIELD
- 13.3. FORM

14. NAVIGATION

- 14.1. NAVIGATOR
- 14.2. INKWELL
- 14.3. GESTUREDETECTOR
- 14.4. DRAWER
- 14.5. TABBAR
- 14.6. BOTTOM NAVIGATION BAR
- 14.7. PAGEVIEW

15. FLUTTER WIDGETS: PART 4

- 15.1. LISTTILE
- 15.2. CARD
- 15.3. EXPANSION TILE
- 15.4. WRAP
- 15.5. TABLE
- 15.6. DATATABLE

16. LISTVIEW

- 16.1. LISTVIEW
- 16.2. LISTVIEW.BUILDER()
- 16.3. LISTVIEW.SEPERATOR()
- 16.4. LISTVIEW.CUSTOM()

17. GRIDVIEW

- 17.1. GRIDVIEW
- 17.2. GRIDVIEW.BUILDER()
- 17.3. GRIDVIEW.COUNT()
- 17.4. GRIDVIEW.EXTEND()

18. ANIMATIONS

- 18.1. ANIMATION WIDGETS
 - 18.1.1. ANIMATED POSITIONED
 - 18.1.2. ANIMATED CROSSFADE
 - 18.1.3. ANIMATE OPACITY
 - 18.1.4. ANIMATED SWITCHER
 - 18.1.5. ANIMATED DEFAULT TEXTSTYLE
 - 18.1.6. ANIMATED LISTSTATE
 - 18.1.7. ANIMATED THEME
 - 18.1.8. ANIMATED SIZE
 - 18.1.9. ANIMATED PADDING
 - 18.1.10. ANIMATED POSITIONAL DIRECTION
 - 18.1.11. ANIMATED PHYSICAL MODEL
 - 18.1.12. ANIMATIONCONTROLLER
 - 18.1.13. ANIMATEDMODAL BARRIER
 - 18.1.14. ANIMATED ICON
- 18.2. ANIMATION BUILDER
- 18.3. ANIMATION CONTAINER
- 18.4. HERO ANIMATIONS
 - 18.4.1. HERO ANIMATION
 - 18.4.2. FLIGHT SHUTTLE BUILDER
 - 18.4.3. PLACEHOLDER ANIMATION



FLUTTER FRONTEND

19. ALERT DIALOGS

- 19.1. SNACKBAR
- 19.2. SHOWDIALOG
 - 19.2.1. DIALOGBOX
 - 19.2.2. ALERT DIALOG BOX
- 19.3. CUPERTINO ALERTDIALOG BOX
- 19.4. WILL POPSCOPE

20. USEFUL PACKAGE

- 20.1. LOTTI
- 20.2. GOOGLE FONTS
- 20.3. SHARED PREFERENCE
- 20.4. PERMISSION HANDLER
- 20.5. GEOCODING & GEOLOCATOR
- 20.6. URL LAUNCHER

21. FLUTTER FILES

- 21.1. GRADLE FILE
- 21.2. YAML FILE
- 21.3. ANDROIDMANIFIEST.XML
- 21.4. JSON FILE
- 21.5. FUTUREBUILDER

22. FLUTTER API INTEGRATION

- 22.1. CRUD OPERATIONS
- 22.2. NEWS API(PRACTICE)
- 22.3. WEATHER API (TASK)
- 23. FLUTTER LOCAL DATABASE
 - 23.1. CRUD OPERATIONS
 - 23.2. TODO APP (PRACTICE)
 - 23.3. CONTACTS (TASK)

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FLUTTER FRONTEND

7. CLASSES

- 7.1. STATELESS
- 7.2. STATEFUL

8. FUNCTIONS

- 8.1. USER DEFINED FUNCTIONS
- 8.2. SET STATE
- 8.3. INIT STATE

9. FLUTTER MATERIALAPP

- 9.1. MATERIAL APP
- 9.2. SCAFFOLD
- 9.3. SAFE AREA
- 9.4. APP BAR
- 9.5. SLIVERAPPBAR
- 9.6. BODY

10. FLUTTER WIDGETS: PART 1

- 10.1. CENTER
- 10.2. CONTAINER
- 10.3. SIZED BOX
- 10.4. COLUMN
- 10.5. ROW
- 10.6. SINGLE CHILD SCROLLVIEW
- 10.7. ALIGN
- 10.8. STACK
- 10.9. FLEXIBLE
- 10.10. EXPANDED
- 10.11. CONSTRAINED BOX

11. FLUTTER WIDGETS: PART 2

- 11.1. TEXT
- 11.2. RICHTEXT
- 11.3. ROTATED BOX
- 11.4. FITTED BOX
- 11.5. ICON
- 11.6. CIRCLE AVATAR
- 11.7. CIRCULAR PROGRESS INDICATOR
- 11.8. LINEAR PROGRESS INDICATOR
- 11.9. IMAGE
- 11.10. NETWORK IMAGE
- 11.11. ASSET IMAGE
- 11.12. CACHE NETWORK IMAGE
- 11.13. DIVIDER
- 11.14. VERTICAL DIVIDER

12. BUTTONS

- 12.1. TEXT BUTTON
- 12.2. ICON BUTTON
- 12.3. ELEVATED BUTTON
- 12.4. OUTLINED BUTTON
- 12.5. RADIO BUTTON
- 12.6. SWITCH BUTTON
- 12.7. FLOATING ACTION BUTTON
- 12.8. DROP DOWN MENU



FLUTTER FRONTEND

1. FLUTTER DESCRIPTION AND INSTALLATION

- 1.1. INSTALLING FLUTTER
- 1.2. INSTALLING EMULATOR/STIMULATOR
- 1.3. WHAT IS FLUTTER
- 1.4. USE OF FLUTTER
- 1.5. ADVANTAGES OF FLUTTER
- 1.6. COMPARISON WITH OTHER CODING PLATFORMS

2. FLUTTER CREATE NEW PROJECT

- 2.1. RUNNING ON CHROME
- 2.2. RUNNING ON EMULATOR/STIMULATOR
- 2.3. RUNNING ON PHYSICAL DEVICE

3. DART BASICS

- 3.1. STRING
- 3.2. INTEGER
- 3.3. BOOLEAN
- 3.4. COMMENTS
- 3.5. LIST
- 3.6. MAP
- 3.7. FINAL vs CONST
- 3.8. TERNARY OPERATORS
- 3.9. VARIABLES

4. DECISION MAKING

- 4.1. IF CONDITION
- 4.2. IF ELSE CONDITION
- 4.3. ELSE IF LADDER

5. LOOPS

- 5. LOOPS
- 5.1. FOR LOOP
- 5.2. FOR IN LOOP
- 5.3. FOREACH LOOP
- 5.4. WHILE LOOP
- 5.5. DO WHILE LOOP

6. OOPS CONCEPTS

- 6.1. CLASS
- 6.2. OBJECT
- 6.3. CONSTRUCTOR
 - 6.3.1. DEFAULT CONSTRUCTOR OR NO-ARG CONSTRUCTOR
 - 6.3.2. PARAMETERIZED CONSTRUCTOR
 - 6.3.3. NAMED CONSTRUCTOR
- 6.4. STATIC KEYWORD
- 6.5. SUPER KEYWORD
- 6.6. INHERITANCE
 - 6.6.1. SINGLE INHERITANCE
 - 6.6.2. MULTIPLE INHERITANCE
 - 6.6.3. MULTILEVEL INHERITANCE
 - 6.6.4. HIERARCHICAL INHERITANCE
- 6.7. POLYMORPHISM
- 6.8. METHOD OVERRIDING
- 6.9. FUNCTIONS
 - 6.9.1. FUNCTION WITH PARAMETER AND RETURN VALUE
 - 6.9.2. FUNCTION WITHOUT PARAMETER AND RETURN VALUE
 - 6.9.3. FUNCTION WITH PARAMETER WITHOUT RETURN VALUE
- 6.10. ABSTRACT
- 6.11. INTERFACE
- 6.12. ENUMERATIO



FLUTTER STATEMANAGEMENT GETX

1. STATE MANAGEMENT

- 1.1. WHAT IS STATEMANAGEMENT ?
- 1.2. TYPES OF STATES

2. GETX

- 2.1. WHAT IS GETX ?
- 2.2. GETX INSTALLATION
- 2.3. BASIC PRINCIPLE OF GETX
- 2.4. CREATE PROJECT USING GETX (TERMINAL)

3. GETX – ROUTEMANGEMENT

- 3.1. GET.SNACKBAR()
- 3.2. GET.DEFAULTDIALOG()
- 3.3. GET.BOTTOMSHEET()
- 3.4. GETX ROUTES
- 3.5. COMPARISON BETWEEN GET ROUTES AND MATERIAL PAGE ROUTES

4. GETX – STATEMANGEMENT

- 4.1. MVC PATTERN
- 4.2. CREATE MODEL USING GETX
- 4.3 GET OBX

5. GETX – DEPENDENCY MANAGEMENT

- 5.1. INSTANCING METHODS
- 5.2. USING INSTAINED METHOD / CLASS





FLUTTER BACKEND

1. FLUTTER FIREBASE

- 1.1. FIREBASE SETUP NEW PROJECT
- 1.2. FIREBASE ANDROID AND IOS FILE INTEGRATION IN FLUTTER
- 1.3. FIREBASE STORING DATA WITH DOCUMENT AND COLLECTIONS
- 1.4. FIREBASE USER LOGIN WITH EMAIL
- 1.5. FIREBASE USER LOGIN WITH PHONE
- 1.6. FIREBASE USER LOGIN WITH GOOGLE
- 1.7. FIREBASE LOGOUT
- 1.8. FIREBASE STAY LOGGED IN

2. FIREBASE DATA TYPES

- 2.1. INTEGER
- 2.2. STRING
- 2.3. BOOLEAN
- 2.4. LIST
- 2.4. MAP
- 2.5. LAT & LON
- 2.6. DATETIME

3. FIREBASE CRUD OPERATIONS

- 3.1. FIREBASE ADD DATA
- 3.2. FIREBASE EDIT DATA
- 3.3. FIREBASE DELETE DATA
- 3.4. FIREBASE FETCH DATA

4. FIREBASE MEDIA

- 4.1. ADD IMAGE (GALLERY/CAMERA)
- 4.2. ADD VIDEO
- 4.3. ADD PDF/DOC
- 4.4. DOWNLOAD IMAGE/VIDEO/PDF

5. FIREBASE LISTS

- 5.1. LISTVIEW BUILDER
- 5.2. GRIDVIEW BUILDER
- 5.3. STREAMBUILDER
- 5.4. SEARCH IN FIREBASE

6. APP DEPLOYMENT

- 6.1. CHANGE APP NAME
- 6.2. CHANGE APP LOGO
- 6.3. PREPARING FOR RELEASE PLAY STORE
- 6.4. FIREBASE WEB APP DEPLOYMENT

7. FIREBASE PROTECT

- 7.1. EASY-SIMPLE TODO APP
- 7.2. MEDIUM-TEXT MESSAGING APP
- 7.3. DIFFICULT-OLX APP