



Jetpack Compose Cheat Sheet



1. Core Concepts

- @Composable
- Recomposition
- State (remember, mutableStateOf)
- rememberSaveable
- Side Effects (LaunchedEffect, DisposableEffect, SideEffect)
- rememberCoroutineScope
- derivedStateOf
- CompositionLocal
- snapshotFlow

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2. UI Components

- Text
- Button
- TextField
- Checkbox
- Switch
- RadioButton
- CircularProgressIndicator
- LinearProgressIndicator

3. Layouts

- Column
- Row
- Box
- BoxWithConstraints
- Spacer
- LazyColumn
- LazyRow
- LazyVerticalGrid
- LazyHorizontalGrid

4. Containers

- Surface
- Card
- Dialog
- AlertDialog
- Scaffold
- BottomSheetScaffold
- TopAppBar
- BottomAppBar
- NavigationRail

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8. List and Grids

- LazyColumn
- LazyRow
- LazyVerticalGrid
- LazyHorizontalGrid
- StickyHeader
- items
- key

9. Theming

- MaterialTheme
- Typography
- Colors
- Shapes
- Dark Theme Support
- Custom Theme

5. Modifiers

- padding
- fillMaxSize
- fillMaxWidth
- fillMaxHeight
- size
- wrapContentSize
- background
- border
- clip
- shadow
- clickable
- draggable
- swipeable
- align
- weight
- verticalScroll
- horizontalScroll
- focusable
- offset

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6. Animations

- animateFloatAsState
- animateColorAsState
- Animatable
- updateTransition
- Crossfade
- rememberInfiniteTransition
- AnimatedVisibility

7. Navigation Concepts

- NavHost
- composable (Route)
- rememberNavController
- deepLink
- Nested Navigation

11. Custom Layouts

- Layout
- SubcomposeLayout

12. Testing

- ComposeTestRule
- onNodeWithText
- onNodeWithTag
- onNodeWithContentDescription
- Assert and Perform Actions

10. Image and Media

- Image
- AsyncImage (Coil)
- Painter Resources
- Icon
- Vector Graphics

13. Tools and Previews

- @Preview
- Multiple Previews
- Debugging with Layout Inspector
- Live Preview in Android Studio

14. Performance Optimization

- Avoid Over-Recomposition
- Use derivedStateOf
- Stability and @Stable
- Lazy Components
- Reduce Modifier Chains



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