Pager Component in Jetpack Compose
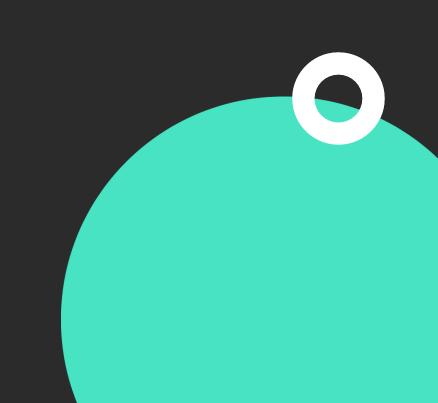
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Agenda

- Introduction to Pager in Compose

- Features of Pager

- Basic Horizontal Pager Usage

- Basic Vertical Pager Usage

- Code Challenge

Introduction to Pager in Compose

- Flip right/left & top/down

- Two types Horizontal Pager & Vertical Pager

- Seamless & Intuitive navigation experience

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Features of Pager in Compose

- Lazy Composition

- Offscreen page loading

- Specific item Scroll

- Page change state callbacks

Basic Horizontal Pager

```kotlin
HorizontalPager (
    state: PagerState,
    modifier: Modifier = Modifier,
    contentPadding: PaddingValues = PaddingValues(0.dp),
    pageSize: PageSize = PageSize.Fill,
    beyondBoundsPageCount: Int = 0,
    pageSpacing: Dp = 0.dp,
    verticalAlignment: Alignment.Vertical = Alignment.CenterVertically,
    reverseLayout: Boolean = false,
    pageContent: @Composable PagerScope.(page: Int) -> Unit
): Unit
```

Basic Vertical Pager

```kotlin
VerticalPager (
    state: PagerState,
    modifier: Modifier = Modifier,
    contentPadding: PaddingValues = PaddingValues(0.dp),
    pageSize: PageSize = PageSize.Fill,
    beyondBoundsPageCount: Int = 0,
    pageSpacing: Dp = 0.dp,
    horizontalAlignment: Alignment.Horizontal = Alignment.CenterHorizontally,
    reverseLayout: Boolean = false,
    pageContent: @Composable PagerScope.(page: Int) -> Unit
): Unit
```

Summary

- Compose Pager can be used to navigate left/right and top/down in the form of Pages

- Features of Pager like lazy composition, off-screen loading, specific item scroll and page change state callbacks

- Learn how HorizontalPager & VerticalPager constructors can be used to declare Pager Composables

- Use of remember and derivedStateOf for recomposition and compute some values

- Use of HorizontalPagerIndicator to display indicators with Pager

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Thank You!

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