

Session 4: AADK Task 4 - Compose Basics and UI Layouts

Objective

To apply Jetpack Compose fundamentals by planning and analyzing UI layout structures such as a Business Card design. The task focuses on alignment, readability, responsiveness, and accessibility before implementation.

UI Structure Planning

- Used Column as the main layout container for vertical arrangement.
- Divided UI into Logo, Header (Name & Title), and Contact sections.
- Applied center alignment for logo and header for visual balance.
- Used start alignment for contact details for better readability.
- Maintained consistent spacing using padding and arrangement.
- Ensured responsiveness using `fillMaxWidth()` and `weight()` where required.
- Considered accessibility by maintaining text hierarchy and contrast.

Reflection

Layout planning before coding prevents structural mistakes and improves development efficiency. Using Column and Row correctly enhances readability and logical grouping of UI elements. For larger screens such as tablets, spacing and alignment can be adjusted using weight and adaptive layouts. Proper spacing improves clarity and avoids visual clutter. Jetpack Compose encourages modular design by breaking UI into reusable composable functions.