Session 2: AADK Task 2 – Compose Essentials: Build, Analyze, Refine

Student Name: Srajan

Session: Session 2 – Android App Development Kickstart

Compose Project Creation

In this task, I created a Jetpack Compose project and explored the basic structure of a Compose-based Android application.

I worked with layout primitives such as Column, Row, and Box to organize UI elements effectively.

I applied responsive modifiers including padding(), fillMaxSize(), background(), and clickable() to structure and style components properly.

Layout Analysis

I analyzed how composables are arranged hierarchically and how spacing and alignment impact user experience.

Special attention was given to consistency, readability, and responsiveness across different screen sizes.

Refinement and Design Improvements

I refined the UI by improving spacing, alignment, and overall layout consistency.

Accessibility principles were considered, including readable font sizes, proper contrast, and user-friendly touch targets.

Real-World App Screen Critique

I reviewed an existing app screen and analyzed its structure, layout hierarchy, and usability.

Strengths and areas for improvement were identified to enhance user experience and visual clarity.

Skills Developed

Through this task, I strengthened my understanding of Compose UI structure, responsive design, accessibility principles, and documentation practices.

This assessment enhanced both my technical accuracy and creative problem-solving skills in modern Android development.