

UI Design Choices and Material Design Principles

The Smart Expense Tracker app follows Material Design principles by emphasizing consistency, clarity, and accessibility across its user interface. A harmonious color scheme is used, with the primary and secondary colors from the Material Theme ensuring contrast and readability. Buttons, text fields, and other components feature appropriate color choices to maintain visual hierarchy and accessibility. Typography adheres to Material Design standards, utilizing the Text and TextField components with proper font sizes for clarity and readability.

The layout is structured with consistent padding and spacing, ensuring that elements are well-separated, reducing visual clutter and promoting focus. State management is handled using remember and mutableStateOf functions, which align with Compose's state management best practices, keeping the UI responsive and dynamic.

Key components such as OutlinedTextField, DropdownMenu, and DatePickerDialog are incorporated to maintain familiarity and user comfort across different sections. For navigation, NavHostController ensures smooth and consistent page transitions. Interactive elements, like the date picker, open in modal dialogs to keep the user focused on the task while ensuring a streamlined experience.

These design decisions result in a user interface that is both functional and visually appealing, aligning closely with Material Design's goals of simplicity, consistency, and user-friendliness.