Crumbley, Victoria

Southern New Hampshire University
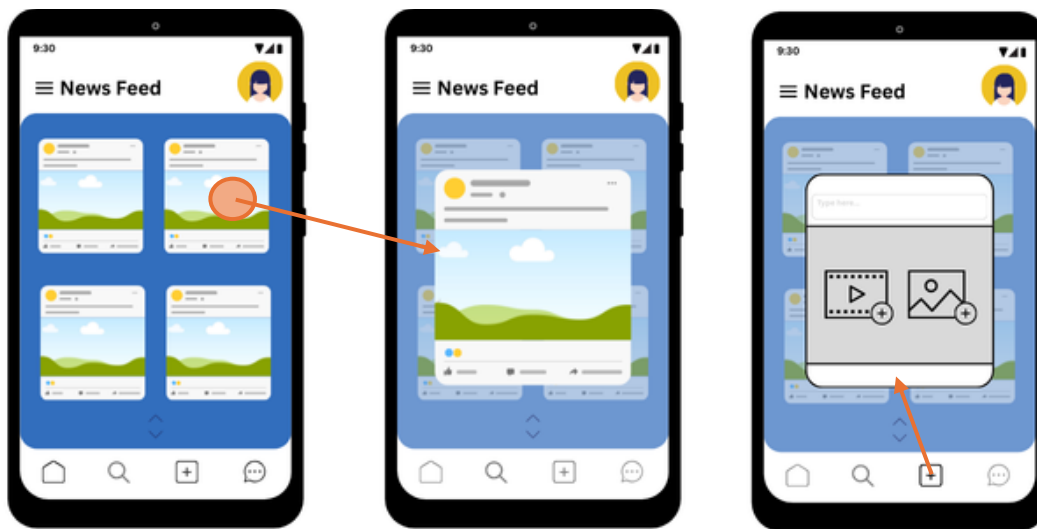
Computer Capstone

December 16, 2025

UI Design Assignment

Objective: Design a new UI layout for a current application using Android guidelines

This design follows a task-oriented, user-first approach that aligns closely with Android Material Design guidelines. Instead of centering all interactions within a single scrolling feed, the design introduces three distinct but connected screens; the home/news feed, an expanded post view, and a post creation screen. This structure improves clarity, reduces cognitive load, and supports intentional user actions.

The bottom navigation bar plays a central role in the new design, featuring clearly identifiable icons for Home, Search, Create Post, and Messages (DMs). This layout ensures that core actions – discovering content, engaging with others, and creating posts – are immediately accessible without relying on hidden menus. On the home screen, content is

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presented in a maximum of four card-style widgets, providing a clean and focused overview of the feed. Subtle arrow indicators at the bottom signal the ability to scroll, maintaining discoverability while avoiding visual clutter. Tapping a post transitions the user to a dedicated viewing screen, where the post is displayed at a larger scale and interaction options such as liking, commenting, and sharing are more prominent and easier to use. Selecting the plus icon opens a streamlined post creation screen with a blank layout that guides users to add text and optionally include photos or videos. This clear separation between browsing and creating content improves usability and aligns with modern mobile interaction patterns.

   While the current design highlights three primary screens, it also allows for scalability. Additional features—such as Stories, Reels, user profiles, and menu options—can be integrated seamlessly without disrupting the core navigation flow. Overall, the redesign prioritizes simplicity, focus, and efficient interaction while maintaining familiarity for existing users.