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## **EXPERIENTIAL LEARNING PRESENTATION PHASE 1**

**Course:- Introduction to Mobile Application Development  
(18G6E10)**

**TOPIC:- NEWS APPLICATION**

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Here are some predefined modules and methods used for developing news applications:

- **Activities and Fragments:** Android Studio provides the *Activity* and *Fragment* classes to create different screens and UI components for the application. Activities represent individual screens, while Fragments allow reusable UI components that can be added to multiple screens.
- **RecyclerView:** RecyclerView is a powerful UI component in Android Studio used for displaying lists or grids of data. It efficiently manages the memory and improves performance by recycling views as the user scrolls through the list of news articles.
- **Intents:** Intents are used for inter-component communication in Android. They enable launching new activities, sharing data between different components, and navigating between screens within the application.



- **Network Request Libraries:** Android Studio provides libraries like Volley and Retrofit for making network requests to fetch news content from APIs or web services. These libraries simplify the process of sending HTTP requests, handling responses, and parsing JSON or XML data.
- **SharedPreferences:** SharedPreferences is a key-value data storage mechanism provided by Android Studio. It can be used to store user preferences, such as the user's chosen news categories or settings for the application.
- **WebView:** WebView is a UI component that allows displaying web content within the application. It can be used to show news articles that are web-based or embedded within the application.

These are just a few of the predefined modules and methods used in Android Studio. The platform provides a wide range of libraries, APIs, and tools that can be utilized to build robust and feature-rich news applications.



The goals of a **News Application** created using **Android Studio** in **Java** are:

1. **News Delivery:** The primary objective of a news application is to deliver news content to the users in a convenient and user-friendly manner.
2. **Real-time Updates:** A news application should strive to provide real-time updates and breaking news to keep users informed about the latest events and developments.
3. **User Interaction:** The application may aim to foster user engagement by allowing users to comment on articles, share news with others, or participate in discussions.
4. **User Interface and Experience:** A well-designed user interface (UI) and a smooth user experience (UX) .



The text 'Thank You!' is written in a large, white, 3D-style font. It is centered and surrounded by a vibrant, multi-colored paint splatter that includes shades of purple, blue, green, yellow, orange, and red, creating a dynamic and celebratory background.

# Thank You!