

Assignment - Android Developer.

Design a Jetpack Compose Audio and Video Player App with the following features:

- **Play/Pause Button:** Allows users to control playback.
- **Progress Bar:** Displays the current playback position and total duration of the audio.
- **Download Button:** Initiates the download of the audio file for offline access.
- **Allow users to download an audio file by tapping the Download button, storing the file locally on the device.**
- **Create a local storage mechanism using Room Database to track downloaded files and save the playback progress when the user exits.**
- **Implement functionality to play downloaded audio offline, using local data when no internet connection is available.**
- **Auto sync the completion of offline completed activity on the availability of internet.**
- **Follow MVVM and clean architecture principles to maintain modularity, readability, and testability in code structure.**
- **Ensure any incomplete sync actions persist locally until the next available connection.**

Use Compose to build responsive, intuitive UI elements and manage state changes as users interact with the player.