

Project Idea: Desktop Video Collection Database with accompanying Android Application

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Summary: Build a Java Swing application capable of storing information about videos from a user's collection. Data entry in the application can be manual or through keyboard entry of UPC from the video. The collection is persisted between executions and can be edited. The Android application serves as an extension to the desktop application and connects wirelessly over the local network. It can add videos through bar code scanning or manual entry. It can sync and store basic collection data from the desktop application for portability when away from the desktop application.

Use Cases/User Stories:

- As a desktop user, I can create a new database.
- As a desktop user, I can add a video to the database manually.
- As a desktop user, I can add a video to the database using barcode data.
- As a desktop user, I can edit existing video data.
- As a desktop user, I can persist my database for storage between sessions.
- As a desktop user, I can reload an existing database.
- As an Android user, I can connect to my desktop database.
- As an Android user, I can add a video to the database manually while connected.
- As an Android user, I can add a video to the database by scanning a barcode while connected.
- As an Android user, I can download my collection for offline viewing.