Exploring Miscellaneous Concepts



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Overview



Adding Repository to Project

Writing Migrations to Change Database Schema

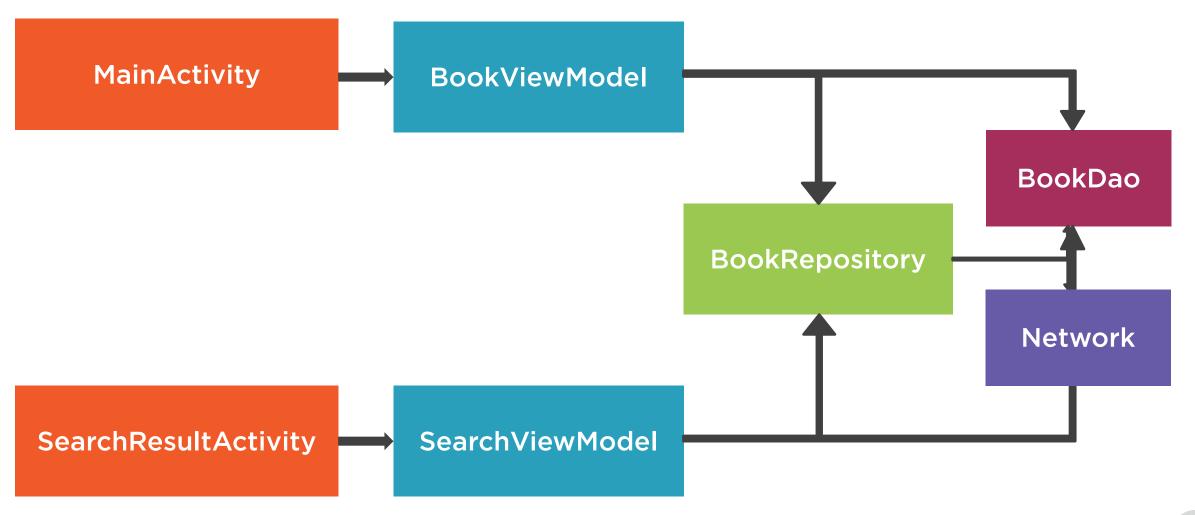
Using TypeConverters



Adding Repository to Project



Repository





Repository

Handles data fetching operations

Provides a clean API for data retrieval

Implements logic to fetch data from network or cache



Demo



Adding Repository



Writing Migrations to Change Database Schema



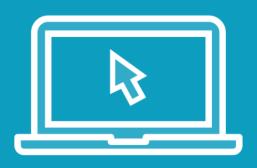
Migration Class

Preserve user data in case of change of entity and database schema

Each migration specifies a startVersion and endVersion



Demo



Write Migration

- Add description column
- Make changes in UI



Using TypeConverters



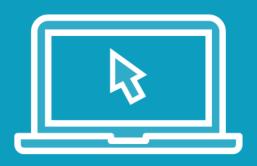
TypeConverters

Annotated with @TypeConverter

Pair of methods that converts a custom class to and from a known type that Room can persist



Demo



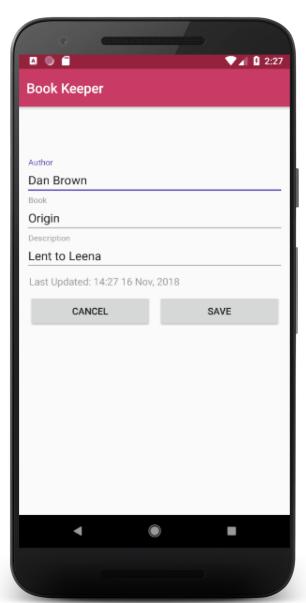
Storing Date in Room Database

- Using TypeConverter for converting date to and from long type
- Writing migration to update the schema
- Updating the UI



Using TypeConverters







Summary



Added Repository to Project

- Responsible for fetching the data
- Reduced a lot of code

Wrote Migrations to Change Database Schema

 Added description and last_updated fields for books

Used TypeConverters to save date and time





Thank You!

