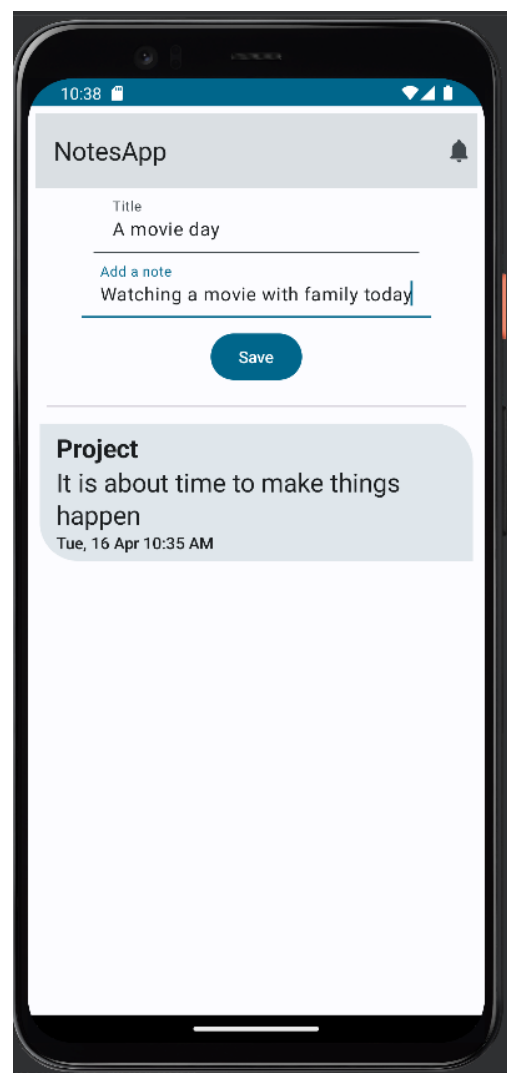
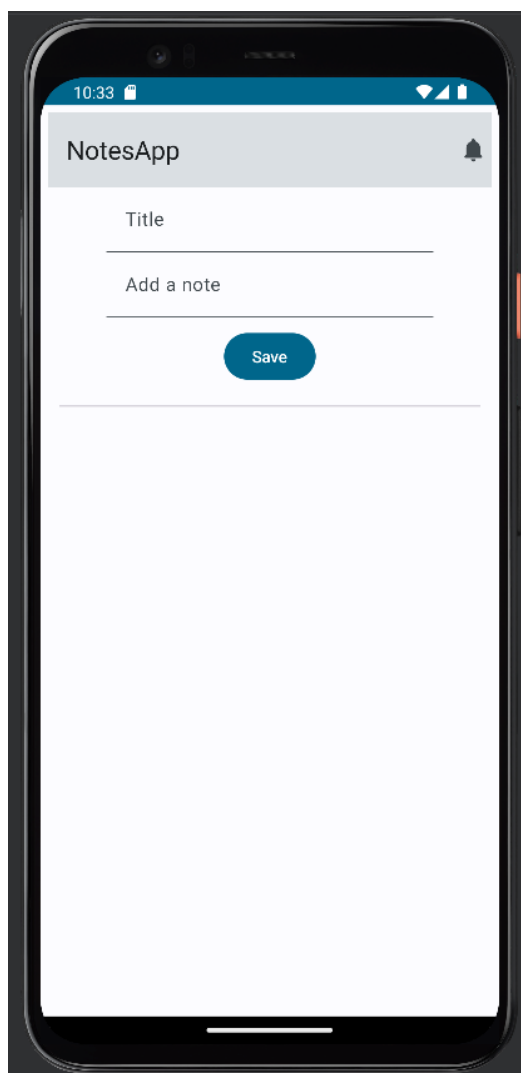


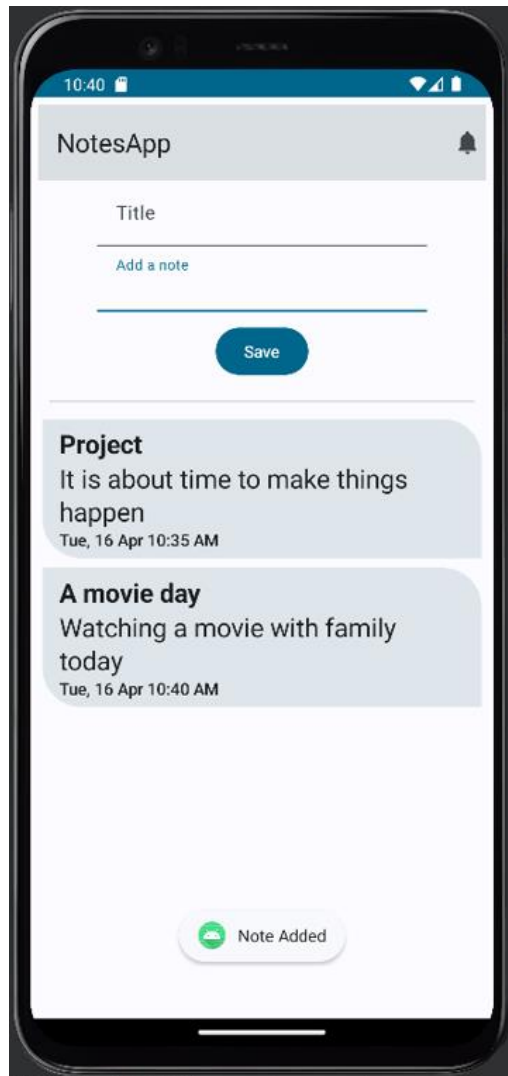


MAP711S Lab 2: Room Database

This lab is designed to allow students to consolidate their understanding of various concepts learned so far by developing a basic application that leverages the Room database for data persistence. This lab requires the use of Android Studio instead of the Kotlin playground, as it focuses on building an Android application rather than a console application. **It's important to note that the completion of this lab will contribute 10% towards your final grade.**

Develop a minimalist notes application integrating Room database functionality. Below is a snapshot illustrating the layout of the notes screen:





Fields: Title and Description

Button: Save to store the note in the database

Add-On: Include the date when the note was created

Additional Features:

Multiple Activities:

Login Screen: User authentication required

Register Screen: New user registration

Notes Screen: Accessible post successful login

CRUD Operations: Create, Read, Update, and Delete notes functionalities

Implementation:

Utilize Jetpack Compose and ensure integration with Room database across all screens for seamless data storage. Adhere to best practices including input validation to enhance user experience and security.

[END]