CSCI 4100U - Assignment 2 - Notepad *(Made For Android)***(Target ANDROID 4.3)*****

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Report

Functionality

The purpose of this notepad was to implement ListView and SQLite Databases In order to design a Notepad application where a user can create a note with a title and it will save into the database and that database will be shown via a ListView on the home screen of the application. The user is able to create a new note by either clicking the “new note” button OR by pressing the menu button and clicking “new note” from there.
A second layout will be displayed with EditText spaces for a title and the note itself. The user can save and it will be put into the database and shown on the ListView. All notes are editable and are able to be deleted from the database.

Design / Implementation ***(Code is also commented with similar information)***

Using two basic Layouts (one for editing a new note or existent note and one for viewing the list of notes) The program is very simple besides the implementation of the SQLite database and Using a cursor to fetch all the notes into the ListView where the user can access specific notes in the databases that are allocated by Row ID’s. Row ID’s hold the location and values of each note since each entry in the database will have a title, body and a row ID. The ‘Notepad.java’ file specifically implements the ListView and retrieving the lists form the database using a Cursor. This is where the user will be able to **Edit an existing note (by clicking the entry), create a new note (via button or menu option) or delete a note(by hold clicking an entry bringing up a menu option.**

The ‘NotepadEdit.java’ class implements a new onCreate method which will first initialize the notepad_edit layout which then allows the user to create and save a new note while also taking advantage of save states so progress would not be lost.

The ‘NotesAdapter.java’ class implements the database itself as is where all the data is at one point directed to and sorted via RowID’s. The other classes send over the string values and they are put into keys which are like parameters for database entries that help maintain an organization of data and also allows easy access to edit and re-save older note entries.

NEW: Just edited the filldata() function to implement a custom SimpleCursorAdapter which utilized my ‘row_notes.xml’ layout to custom format the list entries on the ListView to incorporate font changes and the addition of an extra string to show the date. The date was added into the database using a basic DateFormat.