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| Date | Tasks done |
| 26 Nov 2020 | Finished query and insert, and arranged UI of listview for MainActivity. |
| 27 Nov 2020 | Learned about ExpandableListView |
| 28 Nov 2020 | Changed db schema, add date field using text, drew out part of application architecture, sort display in MainActivity by Year, Month and Day Ascending. |
| 29 Nov | Added ExpandableListView by figuring out how to populate listDataChild and listHeader, solved double onCreate call problem. |
| 2 Dec | Retrieved categorical data per date |
| 3 Dec | Retrieve expense/income data per date. First round modified ParentLevelAdapter, not yet test yet. In the process of modifying SecondLevelAdapter. |
| 7 Dec | Tested ParentLevelAdapter and SecondLevelAdapter, trying to solve problem of 2nd level not displaying, and cursor out of bounds problem where getChildView() is still called even after last cursor position. |
| 15 Dec | When cursor is at last position, set it to point to start of cursor to prevent null ref error. Also, getChildCount is the number cursor size for a category and not the number of categories for a date, in 2ndLvlAdp, which solves the problem of displaying duplicate or not displaying all expenses for a category. Edit CustomExpListView width to fit category name and expense record, and height to view all expense records. Fix problem of records not displaying when categories pressed (used ExpandableListView instead of another I think).  CustomExpandableListView height still problematic where if too much records for a category, it doesn’t let you scroll, so cannot see all records if too many bcs of height. |
| 16 Dec | Can scroll categories and expense records, switched out CustomExpandableListView with an xml that only has ExpandableListView.  Set height of 2nd level ExpandableListView to be 162dp which is the height of two expense records, since its height even though match\_parent defaults to height of one expense record, and best to set height to more than one day will probably have more than one expense, and if set for 3 records will have too much empty space when expanding first level which shows categories, since one day may not have too much categories.  One possible improvement in the future is to have dynamic sizing of the 2nd level ExpandableListView, where it resizes according to the number of child views under it, which in this case would be ExpandableListView when expanding the categories and wanting to display the records, similar to Monefy where it adjusts size according to number of records under each category, and would push the other categories down to show all records for that current category.  Maybe I can add sums to each category and each date? Edit size and color and fonts of different levels and the box colors also. Can change to scroll horizontally so that no need for variable sized ExpandableLisViews? |
| 17 Dec |  |