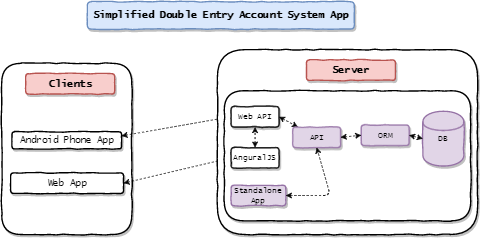
# Kamazhi Account Software

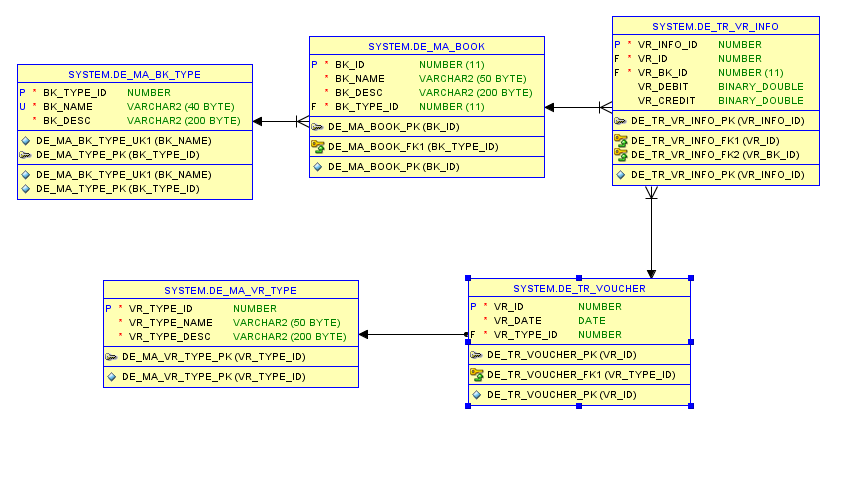
## Description

This is the simple Double Entry system account software for both mobile and web environment.

## Entire Workflow



## Database Design



## Mobile App Sample Screen Shots

|  |  |
| --- | --- |
| IMG_1979 | C:\Users\sathishbabur\AppData\Local\Microsoft\Windows\INetCacheContent.Word\IMG_1978.pngC:\Users\sathishbabur\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Home.jpegC:\Users\sathishbabur\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Category.jpegC:\Users\sathishbabur\AppData\Local\Microsoft\Windows\INetCache\Content.Word\Expense.jpegC:\Users\sathishbabur\AppData\Local\Microsoft\Windows\INetCache\Content.Word\History.jpeg |
|  |  |

## Task Plan

|  |  |
| --- | --- |
| Home screen account information UI |  |
| Home Screen Additional Information UI |  |
| Expense Page UI |  |
| Income Page UI |  |
| Investigate Report Page UI |  |
| Implement Create and Read operation for BookType and Book table. |  |
| Implement Create and Read operation for Voucher Type Table | Achieve the basic DB functionality for BookType and Book Table.  Note: Refer Document in the git for DB design. |
| Implement Create and Read operation for Voucher |  |
| Implement Create and Read operation for Voucher Info |  |
| Add Expense - Integrate DB implementation with UI | Achieve the basic DB functionality for BookType and Book Table.  Note: Refer Document in the git for DB design. |
| Add Income - Integrate DB Implementation with UI |  |
| Show the avaliable balance in the Home screen. |  |
| Show the basic report of income and expenses. |  |

## Proposed Implementation

1. Starting Another Activity

|  |
| --- |
| Intent intent=**new** Intent(**this**,ListViewTest.**class**); startActivity(intent); |

Just give the Class name in Intent to start the respective activity.

1. Database

Need to extend the SQLHelper class and override the respective methods. Using this subclass we write or read to/from database.

1. Write to DB

|  |
| --- |
| CategoryDBHelper dbHelper=**new** CategoryDBHelper(view.getContext());  SQLiteDatabase database=dbHelper.getWritableDatabase(); ContentValues values=**new** ContentValues(); values.put(CategoryContract.Category.***CATEGORY\_NAME***,editText.getText().toString()); **long** count=database.insert(CategoryContract.Category.***TABLE\_NAME***,**null**,values); |

1. Read from DB

|  |
| --- |
| Cursor cursor= database.query(CategoryContract.Category.***TABLE\_NAME***,  **new** String[]{CategoryContract.Category.***CATEGORY\_NAME***},  **null**,**null**,**null**,**null**,**null**); List<String> categoryNames=**new** ArrayList<>(); **while**(cursor.moveToNext()) {  String categoryName=cursor.getString(cursor.getColumnIndex(CategoryContract.Category.***CATEGORY\_NAME***));  categoryNames.add(categoryName); } cursor.close(); |

1. ListView

|  |
| --- |
| ArrayAdapter<String> categoryAdapter=**new** ArrayAdapter<String>(**this**.getApplicationContext(),  R.layout.***support\_simple\_spinner\_dropdown\_item***,categoryNames); ListView listCategories=(ListView)findViewById(R.id.***listCategories***); listCategories.setAdapter(categoryAdapter); |