Mini2_Assignment2

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Overall understanding of assignment2:

Assignment2 mainly focus on the lifecycle of activity and UI design. For this assignment, I strictly followed

How to Run My Code:

- 1. Import the project to your android studio
- Run on the Nexus6

```
Jandroid {
    compileSdkVersion 23
     buildToolsVersion "23.0.2"
    defaultConfig {
         applicationId "me.org.yc2 mini2 assignment2"
        minSdkVersion 8
         targetSdkVersion 23
        versionCode 1
         versionName "1.0"
    buildTypes {
         release {
             minifyEnabled false
             proguardFiles getDefaultProguardFile('proguard-an
1}
dependencies {
     compile fileTree(dir: 'libs', include: ['*.jar'])
    testCompile 'junit:junit:4.12'
    compile 'com.android.support:appcompat-v7:23.2.0'
    compile 'com.android.support:design:23.2.0'
1}
```

As Package:

Exception:

fixException: implemented to fix customer exception

InvalidNumberException: customer exception when input number is invalid

Model:

Mortgage: encapsulate all necessary operations and attributes for mortgage

Util:

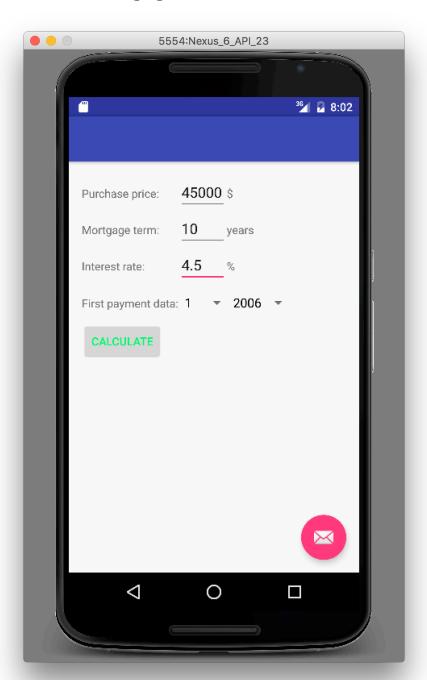
DB: db implementation on creating table and save data

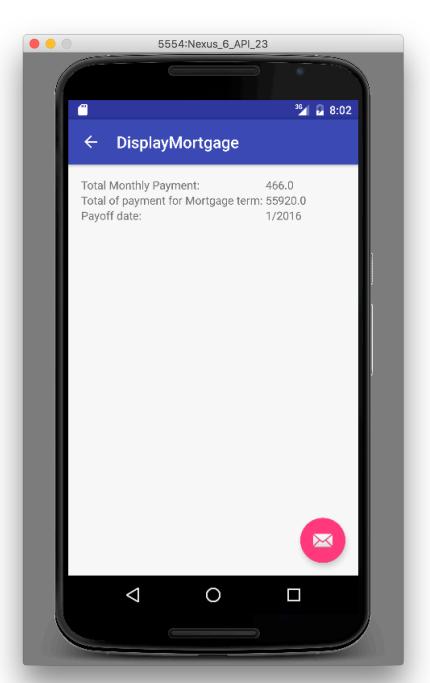
UI:

DisplayMortgage: used to display counted result data

MortgageForm: used to input the required data for calculating data

Calculate mortgage:





Database:

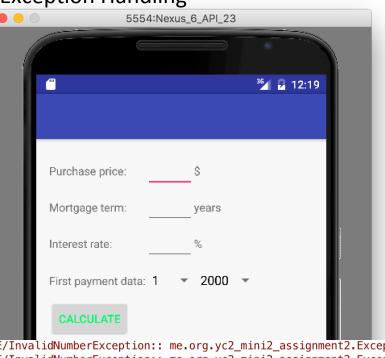
1. Here I use android device monitor to find the database and display it in sqlitebrowser

	id	purchasePrice	mortgageTerm	interestRate	firstPaymentDate	monthlyPayment	totalPayment	payoffDate
	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
1	1	45000	10	0.045	2006 1	466.0	55920.0	1/2016
2	2	70000	5	0.032	2003 1	1264.0	75840.0	1/2008

2. I also output data with command line:

```
+ root@generic_x86:/data/data/me.org.yc2_mini2_assignment2/databases # ls
Mortgage.db
Mortgage.db-journal
qlite3 Mortgage.db
SQLite version 3.8.10.2 2015-05-20 18:17:19
Enter ".help" for usage hints.
sqlite> .open Mortgage.db
sqlite> .tables
Mortgage android_metadata
sqlite> select * from Mortgage;
1|45000|10|0.045|2006 1|466.0|55920.0|1/2016
2|70000|5|0.032|2003 1|1264.0|75840.0|1/2008
sqlite>
```

Exception Handling



The exceptions are recorded in log.txt

E/InvalidNumberException:: me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' E/InvalidNumberException:: me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' E/InvalidNumberException:: me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException: You did not input any value! Now we use default value '0' me.org.yc2_mini2_assignment2.Exception.InvalidNumberException.InvalidNumberException.

- - cache
 - Code_cache
 - databases
 - ▼ 🗁 files

- 2016-03-22 21:35 drwxr-x--x
- 2016-03-14 11:16 drwxrwx--x
- 2016-03-14 11:16 drwxrwx--x
- 2016-03-15 15:26 drwxrwx--x
- 2016-03-22 21:58 drwxrwx--x

171 2016-03-22 22:17 -rw-rw----

