

Code is separated into a model, view and controller.

- Layout.xml contains all the form fields and models that tied the view.
- MainActivity is the view that contains all the logic
- Util.java contains all the db code and Database handler that contains all the logic for persisting calculations to the mortgageCalculator table.

The initial page looks like this, on selecting a field, there is a popup that allows you to enter the values via the input numbers. It allows you to customize the percent, and shows the total monthly payment and total of payment for mortgage term for each of the payoff dates displayed below.

Mortgage Calculator

Purchase Price

Down Payment

Interest Rate

10 20 30

Monthly Payment 0.00 0.00 0.00

Custom Amount CUSTOM_PERCENT

Custom Payment Amount 0.00

1 2 3 -

4 5 6 ,

7 8 9 X

. 0 _ >

The values for monthly payment are dynamically updated on entering values for interest rates.

Mortgage Calculator

Purchase Price: 2000

Down Payment: 200

Interest Rate: 25

Monthly Payment: 40.95 (10%), 37.77 (20%), 37.52 (30%)

Custom Amount: [Slider] CUSTOM_PERCENT

Custom Payment Amount: 40.95