

Readme HW 1

Name: Abdurrahman Mohammad

Links:

<https://abdurrahman02@bitbucket.org/abdurrahman02/hw1.git>

<https://bitbucket.org/abdurrahman02/hw1>

Instructions to run program:

1. Download the project into your system - Can be done via git using the URL above



2. Import the project into AndroidStudio
3. Select the menu Run → Run

Screenshots

Figure 1: Screenshot of the screen when the app launches (no action)

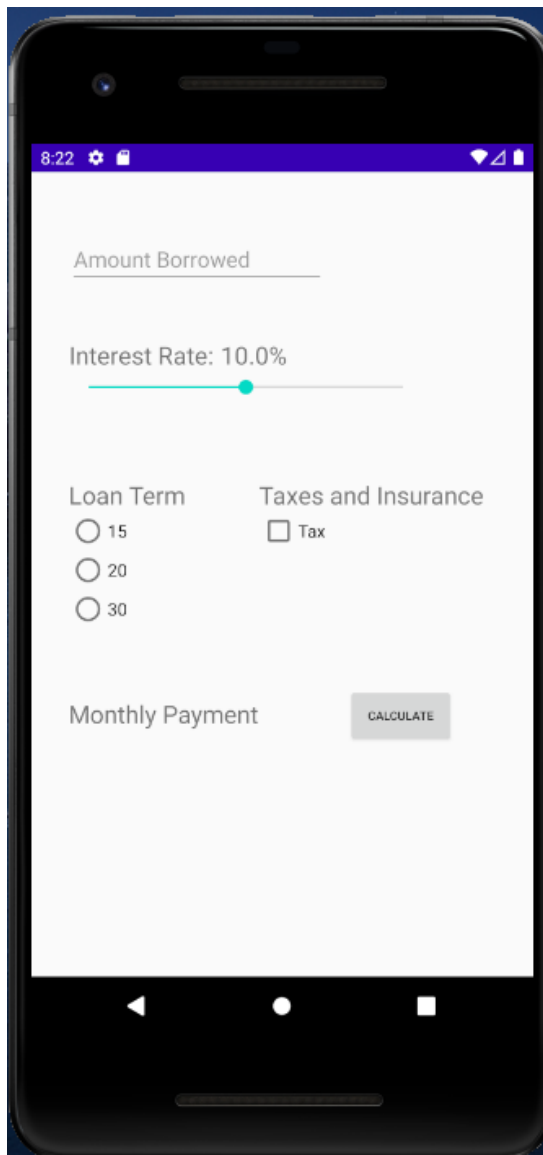


Figure 2: Screenshot of not entering amount borrowed and then clicking submit

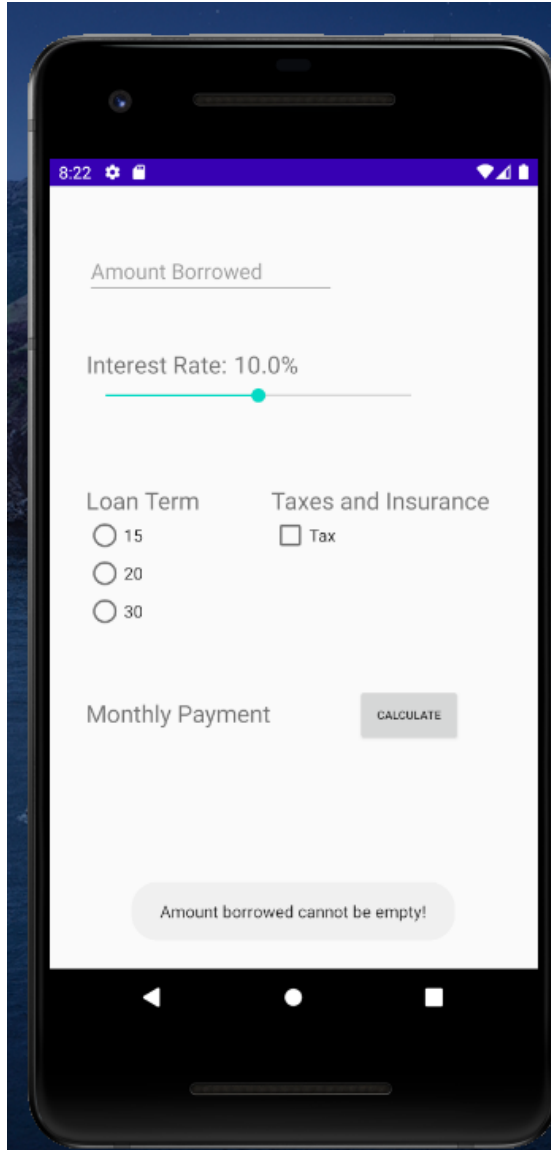


Figure 3: Entering an invalid number (number with decimal and no numbers after) and submitting

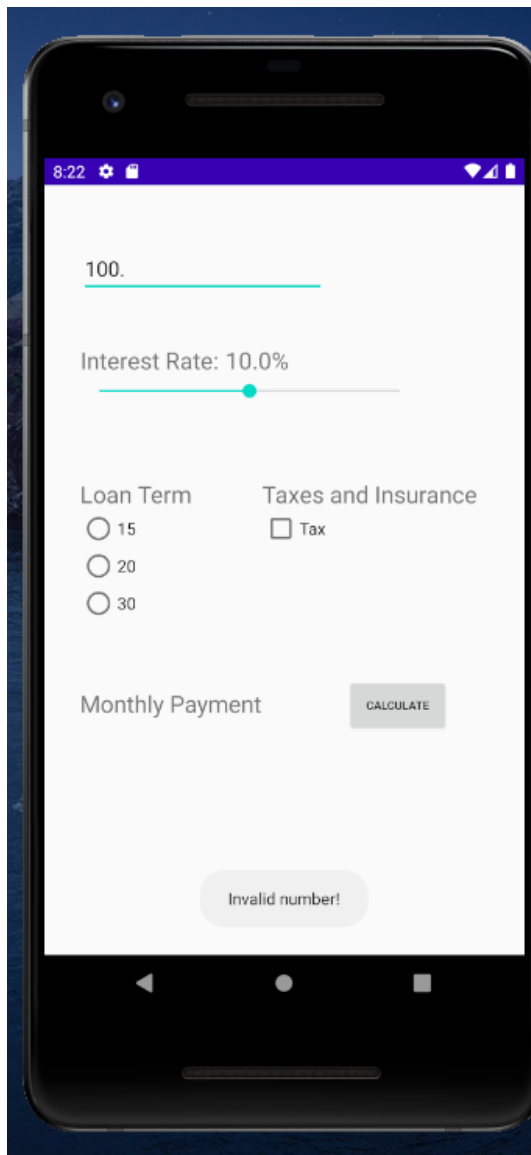


Figure 4: Entering a valid number, not selecting a loan term, and submitting

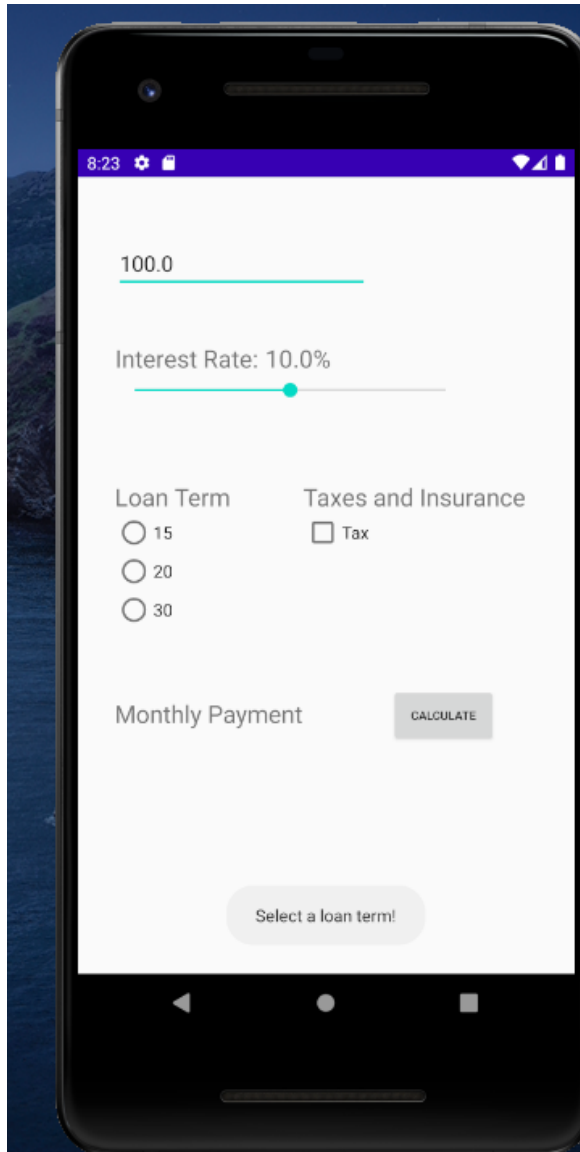


Figure 5: Principle = 100, interest = 10%, term = 20, no tax (results compared and checked)

The image shows a smartphone screen with a loan calculator app. The app's interface is white with a blue header bar at the top. The header bar displays the time '8:23' on the left and status icons (Wi-Fi, cellular signal, battery) on the right. The main content area is white and contains the following elements:

- A principal value of '100.0' with a green horizontal line underneath it.
- An interest rate of 'Interest Rate: 10.0%' with a green slider bar below it.
- A 'Loan Term' section with three radio button options: '15', '20' (which is selected and has a green dot), and '30'.
- A 'Taxes and Insurance' section with a checkbox labeled 'Tax'.
- A 'Monthly Payment: \$0.97' label.
- A grey 'CALCULATE' button.

The smartphone is black and is shown against a dark blue background with a subtle pattern.

Figure 6: Principle = 100, interest = 10%, term = 20, tax (results compared and checked)

8:23

100.0

Interest Rate: 10.0%

Loan Term

☐ 15

☒ 20

☐ 30

Taxes and Insurance

☒ Tax

Monthly Payment: \$1.01

CALCULATE

Figure 7: Principle = 100, interest = 0, term = 20, no tax (results compared and checked)

8:24

100.0

Interest Rate: 0.0 %

Loan Term

☐ 15

☒ 20

☐ 30

Taxes and Insurance

☐ Tax

Monthly Payment: \$0.42

CALCULATE

Figure 8: Principle = 100, interest = 0, term = 20, tax (results compared and checked)

8:24

100.0

Interest Rate: 0.0 %

Loan Term

☐ 15

☒ 20

☐ 30

Taxes and Insurance

☒ Tax

Monthly Payment: \$0.46

CALCULATE

Figure 9: Principle = 100, interest = 20%, term = 30, tax (random use case)

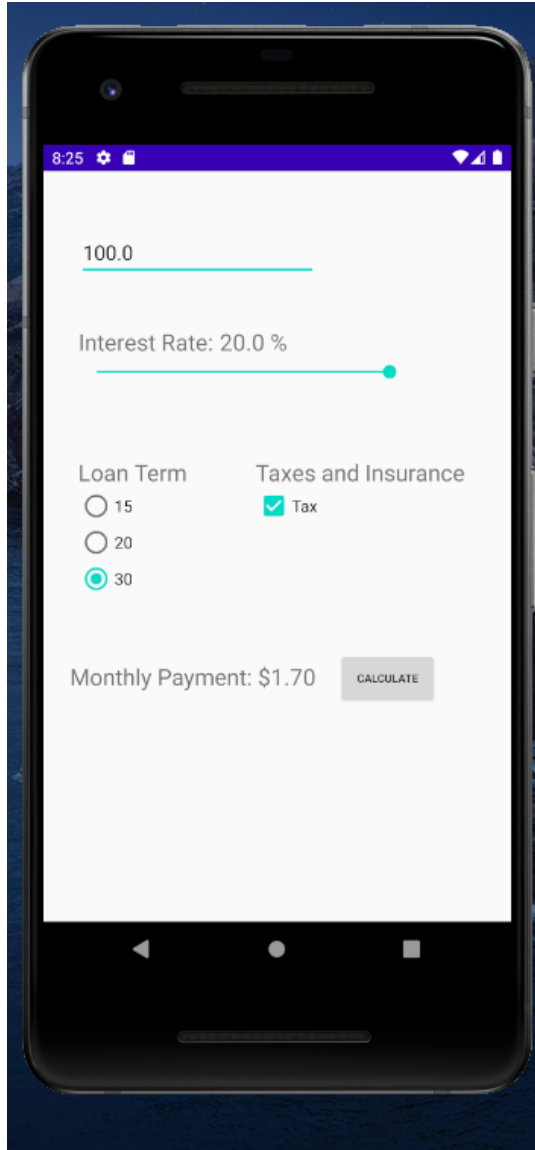


Figure 10: Principle = 100, interest = 12.5%, term = 15, tax (random use case)

