

# CALORIE CONVERTER



Brandon Chinn

CS 160: User Interface Design and Development

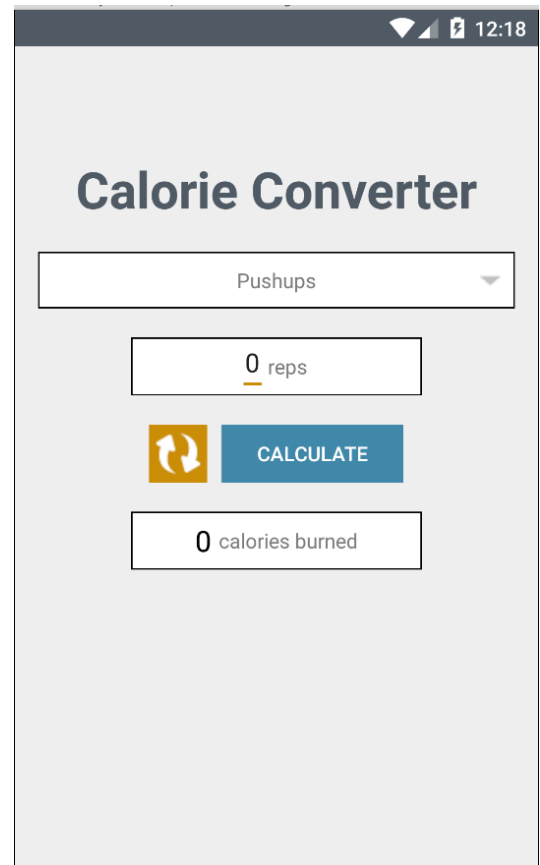
<https://github.com/cs160-sp16/prog-01-crunch-time-brandonchinn178>

# Introduction

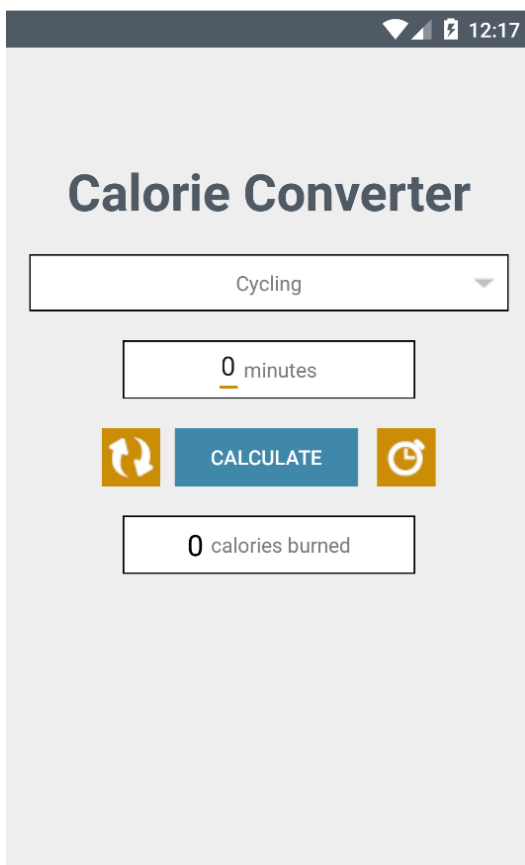
**Calorie Converter** is an app that can calculate the approximate number of calories burned after inputting the exercise done and how long/how many reps were done. The number of calories burned is an approximation based on a 150-pound man.

## Walkthrough

The screen to the right displays the initial view after selecting the “Pushups” exercise. If you were doing pushups for your exercise and wanted to know how many calories you burned, click on the dropdown and select “Pushups” and type in the number of reps in the second box. If you pressed “Calculate”, the app will calculate the number of calories were burned for the number of pushups you did and display it in the bottom box.



The screenshot shows the 'Calorie Converter' app interface. At the top, the title 'Calorie Converter' is displayed. Below it is a dropdown menu currently set to 'Pushups'. Underneath the dropdown is a text input field containing '0 reps'. To the left of the input field is a circular arrow icon. To the right is a blue button labeled 'CALCULATE'. At the bottom, there is a text output field displaying '0 calories burned'. The status bar at the top right shows the time as 12:18.



The screenshot shows the 'Calorie Converter' app interface for a timed exercise. The title 'Calorie Converter' is at the top. Below it is a dropdown menu set to 'Cycling'. Underneath is a text input field containing '0 minutes'. To the left of the input field is a circular arrow icon, and to the right is a timer icon. A blue button labeled 'CALCULATE' is positioned between the two icons. At the bottom, a text output field displays '0 calories burned'. The status bar at the top right shows the time as 12:17.

Exercises are grouped into two categories: timed and not timed. The pushups exercise above is not timed; you input the number of pushups you’ve done. “Cycling” is an example of a timed exercise. The exercise done while cycling is expressed in terms of time: “I’ve biked for 10 minutes”.

The screen to the left displays the view after selecting a timed exercise. The screen is almost the same as with a not-timed exercise, except the input is expressed in terms of “minutes” instead of “reps”. After inputting the number of minutes exercised, clicking “Calculate” will again display the number of calories burned in the bottom box.

A new timer icon also appears with timed exercises. Clicking that will open the next view.

This screen is useful if you would like to time your exercise and watch how many calories you're burning *while* you're exercising.

To start the timer, click on "Start". This will run the clock and update the calories burned every second. To stop the clock, click "Stop" (see below). If you would like to go back to inputting your minutes, click on the edit icon next to the "Start" button.

A screenshot of the Calorie Converter app interface. At the top, there is a dropdown menu set to "Cycling". Below it is a timer display showing "00:01 minutes". Under the timer are three icons: a circular arrow (refresh), a blue button labeled "STOP", and a pencil icon (edit). At the bottom, a display shows "0.1 calories burned".

A screenshot of the Calorie Converter app interface. At the top, there is a dropdown menu set to "Cycling". Below it is a timer display showing "00:00 minutes". Under the timer are three icons: a circular arrow (refresh), a blue button labeled "START", and a pencil icon (edit). At the bottom, a display shows "0 calories burned". The status bar at the top right shows a Wi-Fi icon, a battery icon, and the time "12:18".

A screenshot of the Calorie Converter app interface in calculator mode. At the top, there is a dropdown menu set to "Pushups". Below it is an input box labeled "0 calories". Under the input box are two icons: a circular arrow (refresh) and a blue button labeled "CALCULATE". At the bottom, a display shows "0 reps needed".

A screenshot of the Calorie Converter app interface in calculator mode. At the top, there is a dropdown menu set to "Cycling". Below it is an input box labeled "0 calories". Under the input box are two icons: a circular arrow (refresh) and a blue button labeled "CALCULATE". At the bottom, a display shows "0 minutes needed".

In addition to calculating how many calories were burned after/while exercising, the app can also calculate how many reps/minutes are needed to burn a certain number of calories.

Clicking on the switch icon next to the "Calculate" button brings you to one of the screens on the left. The top input box is now labeled "calories" and the bottom output box is labeled "reps/minutes needed".

Input the number of calories you wish to burn using this exercise in the top box and click "Calculate". The number of reps/minutes needed to burn that many calories is then displayed in the bottom box.

Click the switch icon again to go back to calculating the number of calories burned after exercising.

# Conclusion

This concludes the textual walkthrough of my app. To see a demo of me walking through the app and narrating the walkthrough, check out my recording at <http://tinyurl.com/brandonchinn-prog01>. All icons and clipart used in the app and in this report can be found in the following places:

- Bicycle clipart made by Carroll Kelley from <http://nobacks.com>
- Measuring tape clipart made by Cliparts.co from <http://cliparts.co>
- Dumbbell clipart found at <http://pixlisting.com>
- Switch icon made by Micromaniac from <http://iconfinder.com>
- Edit icon made by Mr. Cherry from <http://iconfinder.com>
- Timer icon made by Freepik from <http://flaticon.com>