

Calorie Crunch

Anish Saha | 22 January 2017

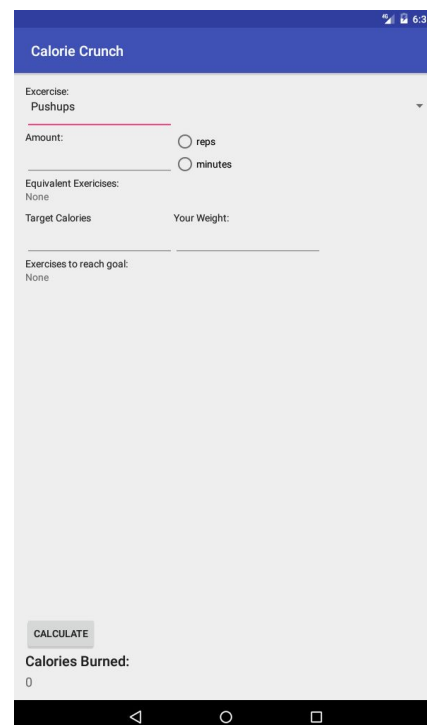
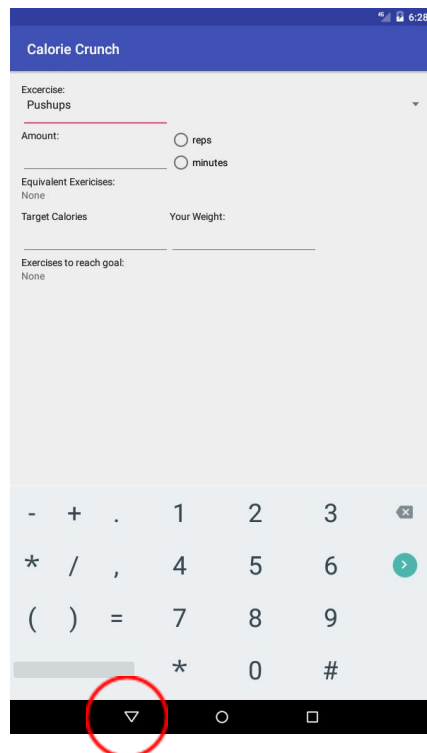


See more at: <https://vimeo.com/200725254>

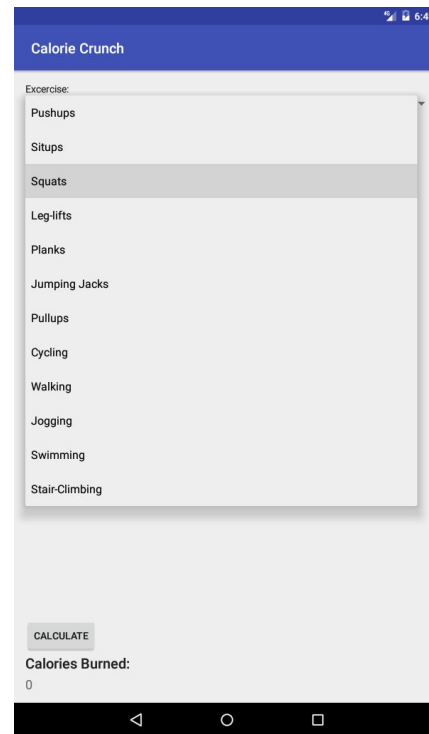
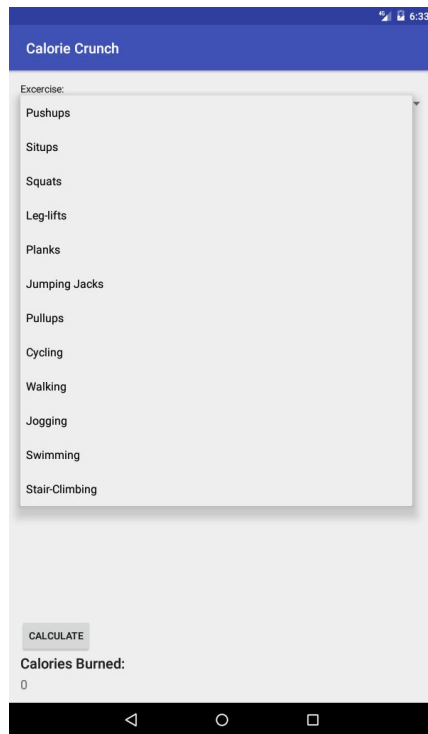
Calorie Crunch is an app that helps an user keep track of how many calories they are burning through physical activity. This app supports twelve common exercises that many people incorporate into their workouts: pushups, situps, squats, leg-lifts, planks, jumping jacks, pullups, cycling, walking, jogging, swimming, and stair-climbing. The user simply has to input the exercise they are doing and their body weight, and the app will calculate the number of calories lost. It will also output the amount of reps/time of the other exercises that could be done to lose an equivalent number of calories. If the user does not input a weight, the default setting will assume that the user weighs 150 pounds. There is also a feature that allows the user to input the number of calories they want to lose, and the app will calculate the amount of time/reps needed of exercises to attain that goal. Finally, data values can be changed within the fields can be changed as needed, and hitting the “Calculate” button will update the outputs as necessary. This app supports both portrait and landscape orientation. Enjoy!

Here is a walkthrough on how to use Calorie Crunch:

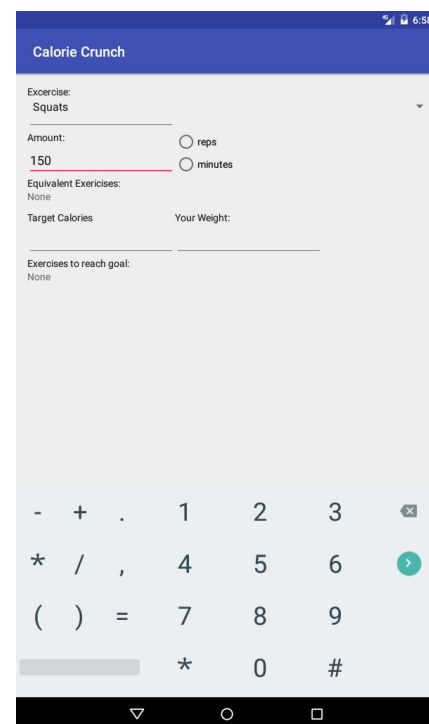
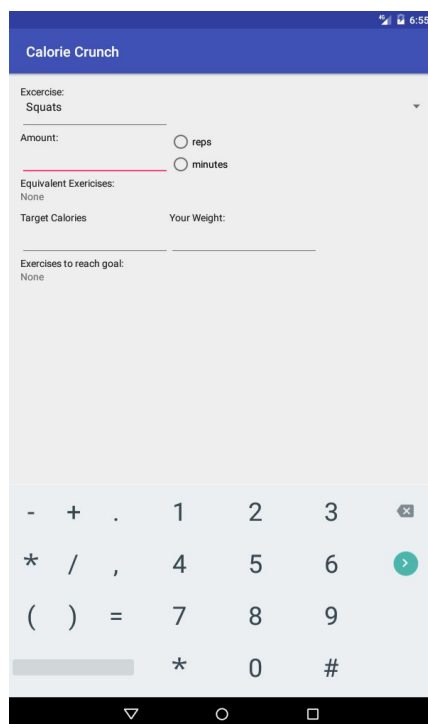
Upon opening the app, your screen should look the photo on the left. The user can dismiss the number pad by clicking the small down arrow to the left of the home button.



Clicking the small down arrow on the right side of the drop-down menu will give the user the list of choices of common exercises that they would like to calculate calorie loss for. The user can choose the exercise by tapping on the corresponding option in the menu.



Next, the user must tap the entry box under the section titled “Amount.” Upon doing so, a number pad will pop up and the user can enter the amount of exercise performed.



After entering the amount of exercise done, the user must select the correct option between “reps” or “minutes.” Pushups, situps, squats, and pullups are counted in reps, and the rest are counted in minutes. Otherwise, the app creates an error message.

Calorie Crunch

Exercise: Squats

Amount: 150 ☒ reps ☐ minutes

Equivalent Exercises: None

Target Calories: Your Weight:

Exercises to reach goal: None

CALCULATE

Calories Burned: 0

Calorie Crunch

Exercise: Squats

Amount: 150 ☐ reps ☒ minutes

Equivalent Exercises: 0.0 reps Pushups, 0.0 reps Situps, 0.0 reps Pullups, 0.0 minutes of Leg-lifts, 0.0 minutes of Planks, 0.0 minutes of Jumping Jacks, 0.0 minutes of Cycling, 0.0 minutes of Walking, 0.0 minutes of Jogging, 0.0 minutes of Swimming, 0.0 minutes of Stair-Climbing.

Target Calories: Your Weight:

Exercises to reach goal: 0.0 reps Pushups, 0.0 reps Situps, 0.0 reps Squats, 0.0 reps Pullups, 0.0 minutes of Leg-lifts, 0.0 minutes of Planks, 0.0 minutes of Jumping Jacks, 0.0 minutes of Cycling, 0.0 minutes of Walking, 0.0 minutes of Jogging, 0.0 minutes of Swimming, 0.0 minutes of Stair-Climbing.

Pushups, Situps, Squats, and Pullups are counted in reps. All other exercises are recorded in minutes. Please check that the appropriate choice has been selected

CALCULATE

Calories Burned: 0.0

Now, if the user hits the “Calculate” button, the app will calculate the number of calories lost, as well as the amounts of other exercises to lose the same number of calories. After that, the user can fill in the “Target Calories” and “Your Weight” boxes.

Calorie Crunch

Exercise: Squats

Amount: 150 ☒ reps ☐ minutes

Equivalent Exercises: 233.5 reps Pushups, 133.4 reps Situps, 66.7 reps Pullups, 16.7 minutes of Leg-lifts, 16.7 minutes of Planks, 6.7 minutes of Jumping Jacks, 8.0 minutes of Cycling, 13.3 minutes of Walking, 8.0 minutes of Jogging, 8.7 minutes of Swimming, 10.0 minutes of Stair-Climbing.

Target Calories: Your Weight:

Exercises to reach goal: 0.0 reps Pushups, 0.0 reps Situps, 0.0 reps Squats, 0.0 reps Pullups, 0.0 minutes of Leg-lifts, 0.0 minutes of Planks, 0.0 minutes of Jumping Jacks, 0.0 minutes of Cycling, 0.0 minutes of Walking, 0.0 minutes of Jogging, 0.0 minutes of Swimming, 0.0 minutes of Stair-Climbing.

CALCULATE

Calories Burned: 66.7

Calorie Crunch

Exercise: Squats

Amount: 150 ☒ reps ☐ minutes

Equivalent Exercises: 233.5 reps Pushups, 133.4 reps Situps, 66.7 reps Pullups, 16.7 minutes of Leg-lifts, 16.7 minutes of Planks, 6.7 minutes of Jumping Jacks, 8.0 minutes of Cycling, 13.3 minutes of Walking, 8.0 minutes of Jogging, 8.7 minutes of Swimming, 10.0 minutes of Stair-Climbing.

Target Calories: Your Weight:

Exercises to reach goal: 0.0 reps Pushups, 0.0 reps Situps, 0.0 reps Squats, 0.0 reps Pullups, 0.0 minutes of Leg-lifts, 0.0 minutes of Planks, 0.0 minutes of Jumping Jacks, 0.0 minutes of Cycling, 0.0 minutes of Walking, 0.0 minutes of Jogging, 0.0 minutes of Swimming, 0.0 minutes of Stair-Climbing.

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As with the “Amount” section, the user must enter numerical values in the “Target Calories” and the “Your Weight” sections. Then, if the “Calculate” button is pressed, the app will update the previous calculations as necessary, as well as list exercises and their respective amounts that can be done to attain the user’s goal.

The image displays two screenshots of the 'Calorie Crunch' mobile application. Both screens show the 'Exercise' dropdown set to 'Squats' and the 'Amount' set to 150 reps. The 'Target Calories' is 250 and 'Your Weight' is 200. The left screenshot shows the initial state with a calculator at the bottom. The right screenshot shows the state after pressing the 'CALCULATE' button, with the 'Calories Burned' displayed as 88.9 and the 'Exercises to reach goal' section updated with a new list of exercises and their respective amounts.

Calorie Crunch

Exercise: Squats

Amount: 150 reps

Equivalent Exercises: 233.5 reps Pushups, 133.4 reps Situps, 66.7 reps Pullups, 16.7 minutes of Leg-lifts, 16.7 minutes of Planks, 6.7 minutes of Jumping Jacks, 8.0 minutes of Cycling, 13.3 minutes of Walking, 8.0 minutes of Jogging, 8.7 minutes of Swimming, 10.0 minutes of Stair-Climbing.

Target Calories: 250 Your Weight: 200

Exercises to reach goal: 0.0 reps Pushups, 0.0 reps Situps, 0.0 reps Squats, 0.0 reps Pullups, 0.0 minutes of Leg-lifts, 0.0 minutes of Planks, 0.0 minutes of Jumping Jacks, 0.0 minutes of Cycling, 0.0 minutes of Walking, 0.0 minutes of Jogging, 0.0 minutes of Swimming, 0.0 minutes of Stair-Climbing.

Calorie Crunch

Exercise: Squats

Amount: 150 reps

Equivalent Exercises: 233.5 reps Pushups, 133.4 reps Situps, 66.7 reps Pullups, 16.7 minutes of Leg-lifts, 16.7 minutes of Planks, 6.7 minutes of Jumping Jacks, 8.0 minutes of Cycling, 13.3 minutes of Walking, 8.0 minutes of Jogging, 8.7 minutes of Swimming, 10.0 minutes of Stair-Climbing.

Target Calories: 250 Your Weight: 200

Exercises to reach goal: 656.3 reps Pushups, 375.0 reps Situps, 421.9 reps Squats, 187.5 reps Pullups, 46.9 minutes of Leg-lifts, 46.9 minutes of Planks, 18.8 minutes of Jumping Jacks, 22.5 minutes of Cycling, 37.5 minutes of Walking, 22.5 minutes of Jogging, 24.4 minutes of Swimming, 28.1 minutes of Stair-Climbing.

CALCULATE

Calories Burned: 88.9

Notice that the calculations have changed and that the “Exercises to reach goal” box has been updated. The user can change the values as necessary and the calculations will be updated once again if the “Calculate” button is pressed.