

## CS194A Assignment #1: Tip Calculator

**Project due:** Sunday, October 11, 11:59pm (California time)

**Partner feedback due:** Wednesday, October 14 at 4:00pm (California time)

There are three parts to this assignment:

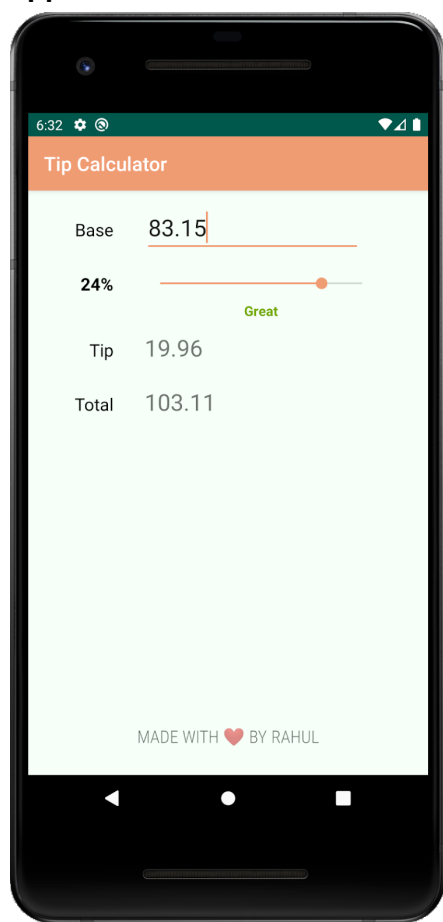
1. Use the walkthrough video to complete a basic working version of the app.
2. Complete at least one extension. There are several ideas below.
3. Look over the submission from your assigned partner and provide feedback.

**Description:** We're going to build a simple tip calculator app! Your app will have two inputs:

- Bill amount (total amount to tip on)
- Tip percentage (what % the user wants to tip)

**Walkthrough video:** [Android Tip Calculator](#) (~1 hour of content)

**App screenshot:**



**Extension ideas:** You should complete at least one extension beyond the walkthrough video. Here are some ideas:

- Change the color scheme of the app, e.g. the background/primary/secondary color.
  - Modify the colors defined in `app/src/main/res/values/colors.xml`
- Replace the text describing the tip (“poor”, “good”, etc) with emojis.
- Improve the user interface through styling and coloring, e.g. change the text color, font, optimize the layout for different screens. See the [styling screens](#) FAQ.
- Add the ability to split the bill across any number of people.
- Add the ability to round the total bill up or down, which should update the tip amount and percent automatically.
- Add pre-defined options for service (e.g. poor, acceptable, good, excellent) which automatically decide the tip percentage.
- **(Advanced)** Show currency symbols, and allow the user to change their currency.
  - Store the currency in [SharedPreferences](#)
- **(Advanced)** Add another screen to the app where you can see tips made in the past.
  - Use [intents](#) to add another screen to your app.
- Ideas for further inspiration: here’s a [published](#) tip calculator app.

**Submission instructions:**

- Include a README.md file in your Github repo which contains a GIF walkthrough of your app. Use this [README template](#).
- Submit the Github repository URL for the assignment on [Canvas](#).
- After the due date, give your partner feedback about their project in Canvas. Answer the following questions:
  - What extensions did your partner complete?
  - What did you like about this project? What improvements can you suggest?