CS194A Assignment #1: Tip Calculator

Project due: Sunday, April 26, 11:59pm (California time)
Partner feedback due: Wednesday, April 29 at 4:30pm (California time)

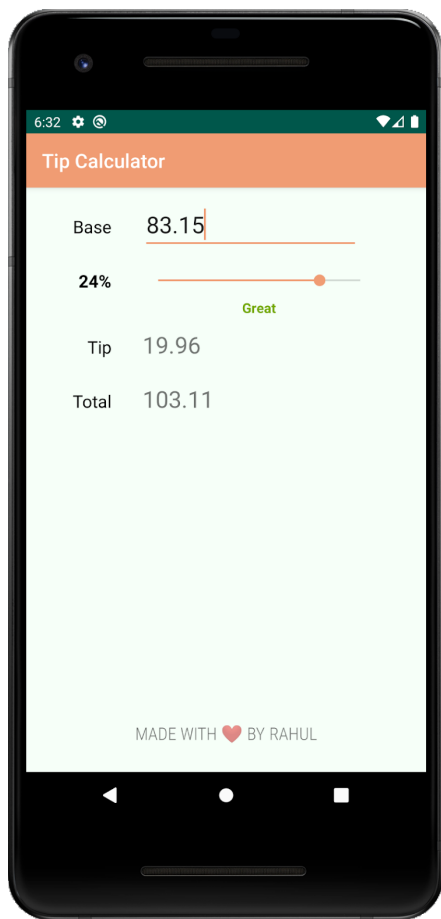There are three parts to this assignment:
1. Use the walkthrough video to complete a basic working version of the app.
2. Complete at least one extension. There are several ideas below.
3. Look over the submission from your assigned partner and provide feedback.

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](#).
- Your "submission" will be an email to rkpandey@cs.stanford.edu **and** your assigned partner before the project due date. Include the Github link to your project in the email.
- The second part of your submission is to provide feedback to your assigned partner by **replying all** to the email following this [template](#).