

## CS194A Assignment #3: Yelp Clone

**Project due:** Sunday, November 14, 11:59pm (California time)

**Partner feedback due:** Wednesday, November 17 at 5:30pm (California time)

There are three parts to this assignment:

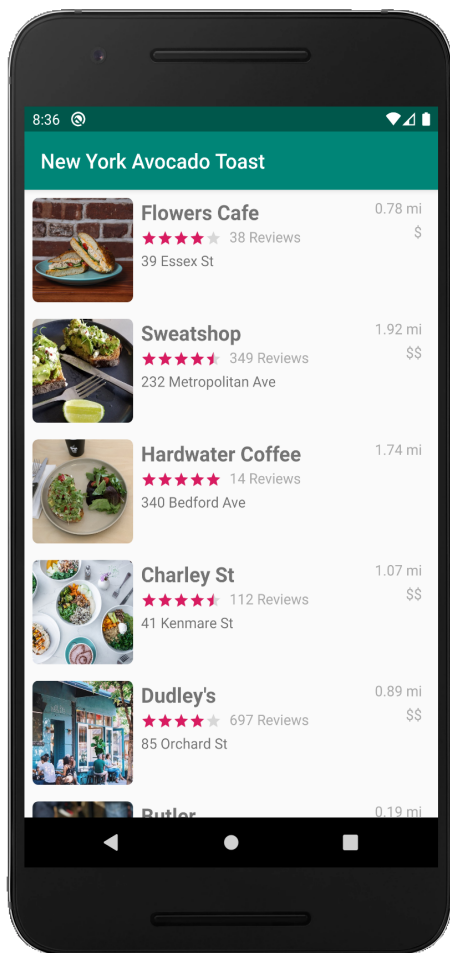
1. Use the walkthrough video to complete a basic working version of the app.
2. Complete at least one extension. There are several ideas below.
3. Look over the submission from your assigned partner and provide feedback.

**Description:** We're going to build a [Yelp](#) clone! Your app will:

- Query the Yelp API to get results from a search query
- Display the results in a RecyclerView

**Walkthrough video:** [Yelp Clone Tutorial](#) (~1 hour of content)

**App screenshot:**



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

- Better error handling by [checking if internet is available](#)
  - Test this by putting your phone in airplane mode and opening the app
- Download and incorporate the Yelp-branded stars when showing the rating
  - Download the assets from the Yelp [developers site](#)
  - Yelp also requires using their logo. Display it somewhere in your app.
- Add a search component in the action bar so the user can query for another item instead of the one hardcoded in the app.
  - Option 1: add an EditText above the RecyclerView and issue a new query when the user submits the search.
  - Option 2: Add a search menu option to the app bar. See this [guide](#).
- Implement infinite scrolling by querying the API with a different [offset](#) parameter.
  - Use [this guide](#) to implement endless scroll (need to convert from Java to Kotlin)
- Add a click listener on each row in the RecyclerView, which will navigate to a new activity showing additional details for that restaurant.
  - Use the same pattern as the previous assignment to add a click listener ([video](#)).
  - When the user taps on a row, query the Yelp API to get more details about that business using [this endpoint](#).
  - Some additional info you could show in the detail activity: photos, phone number, business hours.
- **(Advanced)** Add a menu option to add filters to the search.
  - Use a [DialogFragment](#) to show the various filter attributes
  - When the user has submitted the filters in the modal overlay, communicate the data to the parent activity to trigger an API request with the selected filters.
- Ideas for further inspiration: here's the [published](#) Yelp app.

**Submission instructions:**

- Include a README.md file in your Github repo which contains a GIF walkthrough of your app. Use this [README.md 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?