



Flipp has decided to expand out from flyers into a new market. As such you have been asked to create a new app (Flopp) that consists of the following 2 sections.

- 1) A listing page that will display item cards for each item available for rent in a given area.
- 2) A details page that displays an extended set of data available for a given item.

Pick an industry of your choice (Music, Cars, Deep sea fishing boats; get creative ;) and build an app that will display the 2 pages above given your desired choice of industry. Include an example api and the data models that you are working with.

Whatever industry you choose, the data displayed should include:

- 1) dynamic images,
- 2) should support an offline mode, and
- 3) should include example tests you would want to write before going to production. You don't have to write every test you can think of; Just enough tests that demonstrate good testing practices, and empty test methods named according to what you would want to test will suffice.

Please provide your solution via github the day before your review session.

Hints:

- 1) You don't need to create a functional back end server. Feel free to use a fixed response but you should still include any parsing logic if you need it.
- 2) If you run out of time, feel free to not write any automated tests. We would still like to see what tests you would want to write but stubbed methods are sufficient

Bonus:

- 1) No app is complete without the ability to measure our customers engagement. Describe what you would want to measure and how you would report.
- 2) Flopp has been so successful that we have decided to expand from just a single industry to dozens of industries with dozens of apps (that are functionally the same). How would you recommend the company proceed with its development?