Real Estate price exploration Tool Timeline & milestones

#### sunday, february 24th

* Obtain data set containing 20+ years of listing + sale prices for Manhattan co-ops & condos
* Create PostgreSQL (database) instance; Define initial tables/schema + populate data
* Create GitHub Repository

#### Sunday, March 3rd

* Finalize Website design, including default page, navigation options + search/filtering mechanism, map + map layers, comparison tool
* Create initial webpage (available locally) with placeholder landing page using React (front-end framework)

#### Sunday, march 10th

* Create Django API to pull data from database
* Finalize front-end navigation pane; create placeholder pages for undeveloped views/pages

#### sunday, march 17th

* Complete initial map view using Folium (mapping framework); display all current apartments for sale
* Create filters allowing user to refine map by: neighborhood, price range, bedroom + bathroom count, co-op/condo

#### Sunday, march 24th

--- Vacation ---

#### sunday, march 31st

* Complete within-building comparison page; attributes to be included: last sale price, ft2, maintenance, floor, shares, renovation year (if applicable), bedrooms, bathrooms, “line”

#### sunday, april 7th

* Complete price/value trend evaluation page – features to include:
  + Heatmap depicting 1/3/5/10/20-year median + average apartment price trend by neighborhood + bedroom count
    - Additional layers: $ / ft, inflation-adjusted price
  + Chart (e.g. line graph) depicting 1/3/5/10/20-year prices relative to S&P 500, median income in NYC (+ other asset classes?)

#### Sunday, april 14th

* Complete inventory evaluation page – features to include:
  + Heatmap depicting 1/3/5/10/20-year total units currently available by neighborhood
    - Additional layers: total housing stock, new units under construction (if data available), apartments sold in the previous 1,3,6, 12 months

#### Sunday, april 21st

* Finish adjustments + aesthetic enhancements
* Make website available via public URL