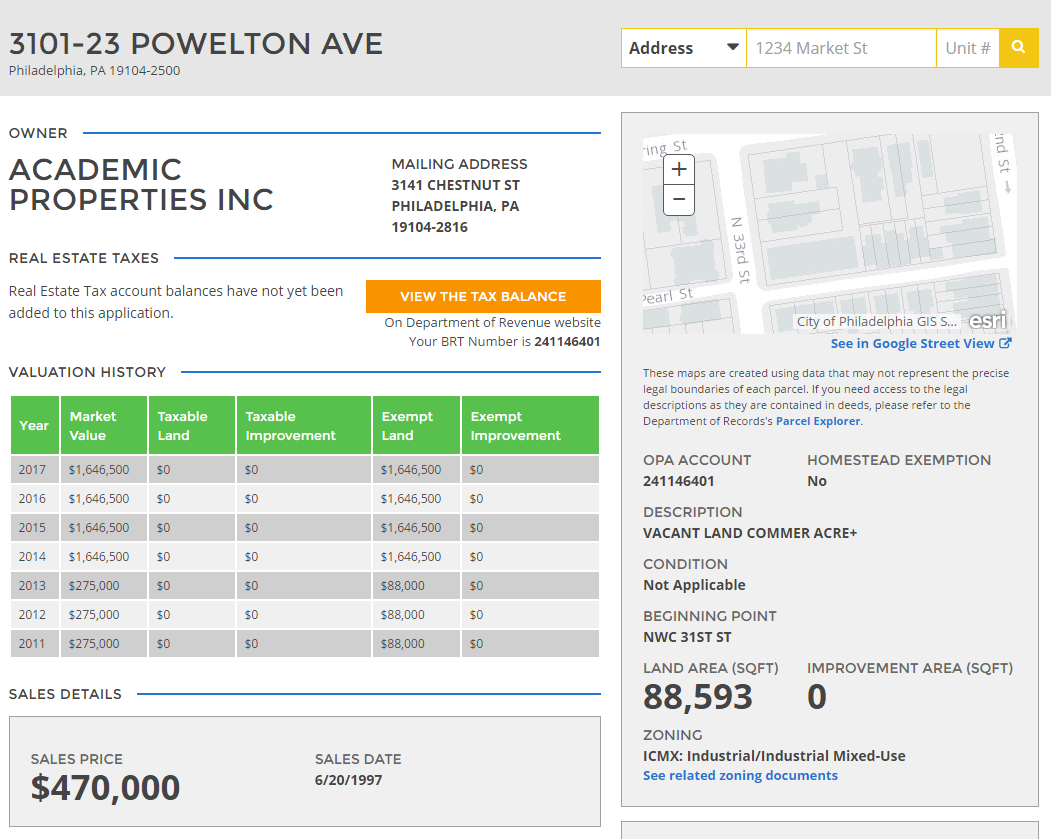
**Specs for Property Information Data Mining**

Drafted: 5/26/2016

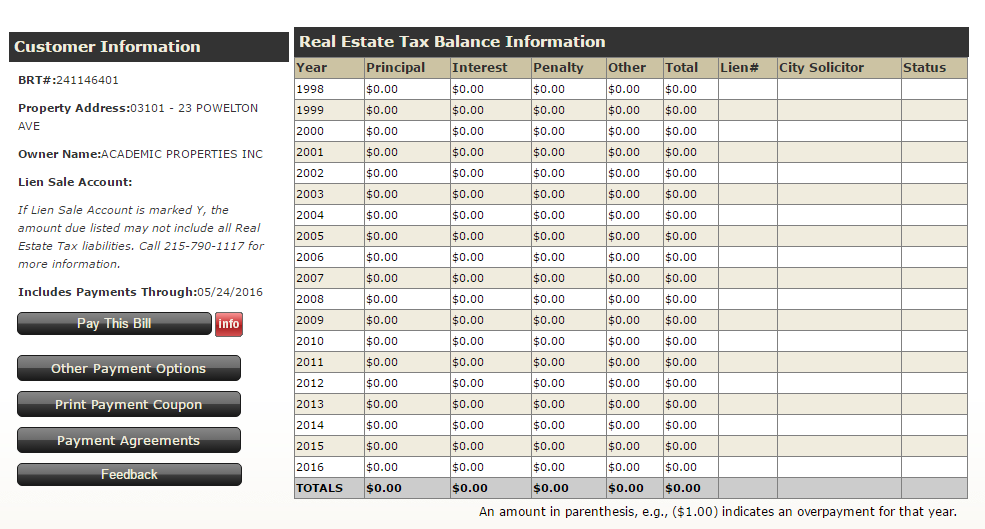
**Objective**: Create an easy-to-use application that will output a spreadsheet by neighborhood with property information mined from the [Philadelphia Bureau of Revision of Taxes](http://property.phila.gov/) and the [Philadelphia Revenue Department](http://www.phila.gov/revenue/realestatetax/) websites.

**Current Process:**

1. Open the [Promise Zone Mapping](https://a.tiles.mapbox.com/v4/kfrech.ldnf7kle/page.html?access_token=pk.eyJ1Ijoia2ZyZWNoIiwiYSI6InBwOWRzOU0ifQ.pARK9H39N1Is-J6SbP_5Wg#16/39.9651/-75.1942) tool, which has links to all of the parcels in an area of West Philadelphia called the “Promise Zone”. The Promise Zone contains many neighborhoods, including Mantua, East Parkside, and Powelton Village. The boundaries of each neighborhood are defined as:
   1. **Mantua**: Area bounded by Mantua Ave, 40th St, Lancaster Ave & Spring Garden St
   2. **East Parkside**: Triangle bounded by Belmont Ave, Parkside Ave, and Girard Ave; Area South of Girard, North of Pennsgrove, East of 38th St, and West of Belmont Ave
   3. **Powelton Village**: Area bounded by Spring Garden St, 31st St, Powelton Ave, and Lancaster Ave
2. Create an Excel Workbook for each neighborhood, called Mantua, East Parkside, and Powelton Village. Within each Excel Workbook, create a spreadsheet for each BLOCK. For example, in Mantua.xlsx, there will be tabs called “3400 Brandywine Street”, “3500 Brandywine Street”, “3600 Brandywine Street”, etc. for each of the neighborhood blocks in the community.
3. Starting at the southernmost street in the neighborhood and the easternmost block, click on a parcel/address on the Promise Zone Mapping tool. For example, if we started in Powelton Village, we would start on Powelton Ave at 31st Street. The neighborhood boundary excludes the addresses to the south of the southernmost boundary, so we start with the address 3101-23 Powelton Ave. Enter this address into the Address field of the [Philadelphia Bureau of Revision of Taxes](http://property.phila.gov/). The resulting page looks like this:



1. We want to pull the following information from that page and put it into a sheet called “3100 Powelton Ave” in the Excel workbook, Powelton Village.xlsx. I circled the fields and bolded what we want to call each data field in the spreadsheet:
   1. **Address** 3101-23 Powelton Ave
   2. **OPA** 241146401
   3. **Owner** ACADEMIC PROPERTIES INC
   4. **Mailing Address** 3141 CHESTNUT ST
   5. **Mailing Address City** PHILADELPHIA, PA
   6. **Mailing Address Zip Code** 19104-2816
   7. **2017 Market Value** $1,646,500
   8. **Exempt Land** $1,646,500
   9. **Exempt Improvement** $0
   10. **Homestead Exemption** No
   11. **Zoning** ICMX: Industrial/Industrial Mixed-Use
2. Then, enter the same address in the [Philadelphia Revenue Department](http://www.phila.gov/revenue/realestatetax/) website. You will see this Real Estate Tax Balance Information at the bottom:



1. We want to pull the following information from this table (circled in red):
   1. **Total Tax Owed** $0.00
   2. **Status** 
      1. In this case it’s blank, but there is sometimes an abbreviation in that cell, like “GRB” or “AGRE”, which we want to capture in the spreadsheet.
2. All this data for each property should be entered on 1 (ONE) line in the spreadsheet. After all this information is collected for 1 address, move onto the next address on the map, moving west until you reach the end of the block. Then, repeat for the next block going west on the street until you reach the end of the neighborhood.