Project 5.23. Web Scrapping on HK Housing

Requirement: submit a code to realize the following function:

1. Get the house price list from this website:

<http://www.property.hk/tran.php?bldg=&prop=P&size=8&year=2017&month=1&select=&page=&dt=&tab=TRAN>

1. Return a csv file for a list of house with the following information:
   1. Recorded date
   2. Address
   3. Floor
   4. Room
   5. Area size in square feet
   6. Total deal price
   7. Price per area in square feet
2. Bonus - Make input and output self-defined:
   1. Get output according to certain self-defined combination of variables. For examples, year 2017, month 12, size in range 501-1000 square feet, usage as residential.
   2. Get output according to certain self-defined range of variables. For examples, year from 2010 to 2012, month from 2 to 4, size less than 1000 square feet, usage as industry or office or parking lot.

Codes will be graded based on:

1. The format of the codes
2. The organization of the csv file
3. The speed of the codes
4. The extendibility of the codes

Estimated completion time: 50 hours. Time consumption depends on the codes’ quality.

Suggestive points:

Deadline:

Bonus points:

1. Work completion one day before the deadline will generate an extra 20% bonus.
2. Slides to explain the codes will give 50 points/page

Penalty:

1. Late delivery/missing deadline will incur -10% of finally determined points of the whole project per missing day.
2. Serious mistakes that made the submitted results not useful will incur -120% of the whole project.