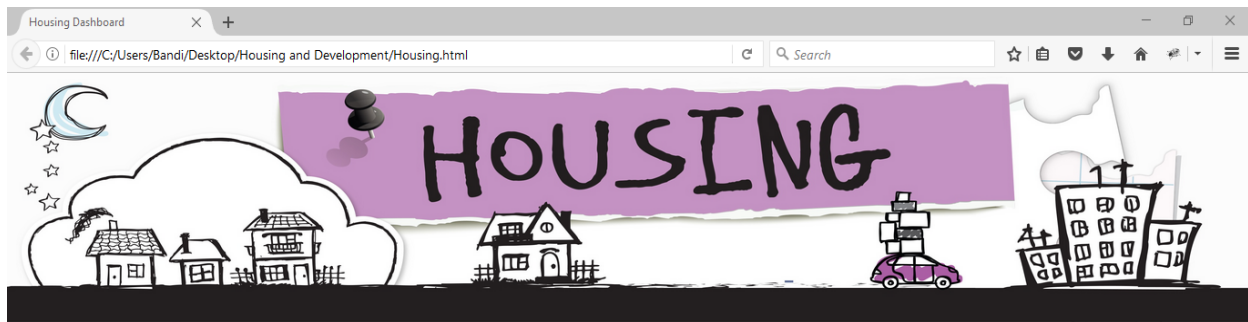


## Output Screenshots.



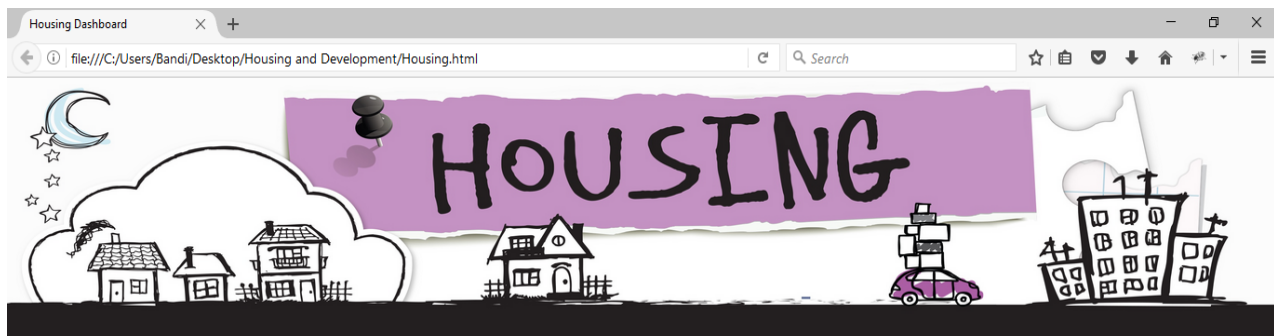
Select the Dataset

Austin

Load Dataset

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### 1. Home Screen.



HOUSING DEVELOPMENT DASHBOARD

Select the Dataset

Austin

Austin

Chicago

Conencticut

Seattle

NewYork

aset

Copyright © UML Team 24

### 2. List of Datasets.

## Output Screenshots.

The screenshot shows a web application titled "Housing Dashboard" with a browser address bar displaying "file:///C:/Users/Bandi/Desktop/Housing and Development/Housing.html". A "Load Dataset" button is visible. Below it, a "Show" dropdown is set to "10" entries, and a "Search:" field is empty. The table displays the following data:

Community Area Name	Community Area Number	Property Type	Property Name	Address	Zip Code	Phone Number	Management Company	Units	Latitude	Longitude	Location
Albany Park	14	Senior	Senior Suites of Ravenswood Manor	2800 W. Montrose Ave.	60618	773-509-9333	Senior Lifestyle Corp.	80	41.96135865	-87.69854417	(41.96135865, -87.69854417)
Albany Park	14	Senior	Darul Amaan Senior Living	4814-58 N. Kedzie Ave.	60625	773-463-3004	East Lake Management & Development Corp.	56	41.96893506	-87.70863783	(41.96893506, -87.70863782)
Ashburn	70	Senior	Wrightwood Senior Apartments	2815 W. 79th St.	60652	773-471-7777	Ludwig and Company	85	41.74972646	-87.69327334	(41.74972645, -87.69327333)
Auburn Gresham	71	Multifamily	Stone Terrace	8440 S. Parnell Ave.	60620	773-651-9234	East Lake Management & Development Corp.	56	41.74018636	-87.63781991	(41.74018635, -87.63781991)

At the bottom of the table, there are pagination controls: "Previous", "1", "2", "3", "4", "5", "...", "27", and "Next". The "1" button is highlighted.

### 3. Loading of Chicago dataset with limited number entries.

The screenshot shows the same "Housing Dashboard" application. The "Show" dropdown is now set to "All" entries, and the "Search:" field contains the text "senior". The table displays the following data:

Ashburn	70	Senior	Wrightwood Senior Apartments	2815 W. 79th St.	60652	773-471-7777	Ludwig and Company	85	41.74972646	-87.69327334	(41.74972645, -87.69327333)
Auburn Gresham	71	Senior HUD 202	St. Sabina Elder Village Apartments	1222 W. 79th St.	60620	773-994-7850	Catholic Charities Housing Devp.	80	41.75059341	-87.65472675	(41.75059341, -87.65472675)
Auburn Gresham	71	Senior	Senior Suites of Auburn-Gresham	1050 W. 79th St.	60620	773-723-0333	Senior Lifestyle Corp.	85	41.75064862	-87.65092232	(41.75064862, -87.65092232)
Auburn Gresham	71	Senior HUD 202	Naomi & Sylvester Smith Senior Living Ctr.	8019-55 S. Halsted St.	60620	773-651-6400	HSR Property Services, LLC	59	41.74822238	-87.6438257	(41.74822238, -87.6438257)
Auburn Gresham	71	Senior	Auburn Commons	1626 W. 87th St.	60620	773-238-0850	Urban Property Advisors, LLC	72	41.73588515	-87.66414272	(41.73588515, -87.66414272)
Austin	25	Senior	Senior Suites of Austin	335 N. Menard Ave.	60644	773-378-0333	Senior Lifestyle Corp.	84	41.88673275	-87.76983958	(41.88673275, -87.76983958)
Austin	25	Senior HUD 202	Enola A. Dew Senior Apartments	4623 W. Gladys Ave.	60644	773-287-2972	Prairie Management &	60	41.87586178	-87.74131396	(41.87586178, -87.74131396)

At the bottom of the table, there are pagination controls: "Previous", "1", and "Next". The "1" button is highlighted.

### 4. Slicing and dicing implemented to find out data from table easily.

## Output Screenshots.

The screenshot shows a web browser window with the address `file:///C:/Users/Bandi/Desktop/Housing and Development/Housing.html`. The browser displays a table with 12 columns and 4 rows of housing data. Below the table is a filter section with checkboxes for various columns and an 'Add Filter' button.

Community Area Name	Community Area Number	Property Type	Property Name	Address	Zip Code	Phone Number	Management Company	Units	Latitude	Longitude	Location
Gresham	202	Smith Senior Living Ctr.	Halsted St.				Services, LLC				-87.643
Auburn Gresham	71	Senior	Auburn Commons	1626 W. 87th St.	60620	773-238-0850	Urban Property Advisors, LLC	72	41.73588515	-87.66414272	(41.735 -87.664
Austin	25	Senior	Senior Suites of Austin	335 N. Menard Ave.	60644	773-378-0333	Senior Lifestyle Corp.	84	41.88673275	-87.76983958	(41.886 -87.769
Austin	25	Senior HUD 202	Enola A. Dew Senior Apartments	4623 W. Gladys Ave.	60644	773-287-2972	Prairie Management &	60	41.87586178	-87.74131396	(41.875 -87.741

You can select multiple columns here to filter

Community Area Name ☐ Community Area Number ☐ Property Type ☐ Property Name ☐ Address ☐ Zip Code ☐ Phone Number ☐  
Management Company ☐ Units ☐ Latitude ☐ Longitude ☐ Location ☐

**Add Filter**

### 5. Filters loaded from the csv file which are column names.

The screenshot shows the same web browser window, but the filter section is now active. It displays a list of filters selected from the CSV file, including 'Property Type' and 'Property Name'. Below the filters, there are options to select filter conditions (Greater Than Equal To, Less Than Equal To, Equal To) and a numerical value to filter by. At the bottom, there are options to select chart types (Bar Chart, Pie Chart, Line Chart, Doughnut Chart).

You can select multiple columns here to filter

Community Area Name ☐ Community Area Number ☒ Property Type ☒ Property Name ☒ Address ☐ Zip Code ☐ Phone Number ☐  
Management Company ☐ Units ☐ Latitude ☒ Longitude ☒ Location ☐

**Add Filter**

Please Select the you want to apply Filters

Property Type: Senior, Multifamily, Senior HUD 202, Supportive Housing  
Property Name: Mayfair Commons, Senior Suites of Ravens, Darul Amaan Senior Liv, Wrightwood Senior Apo

Please Select The Filter Conditions

☐ Greater Than Equal To  
☐ Less Than Equal To  
☐ Equal To

Please Enter Numerical Value To Filter

Please Select the Chart Types to load

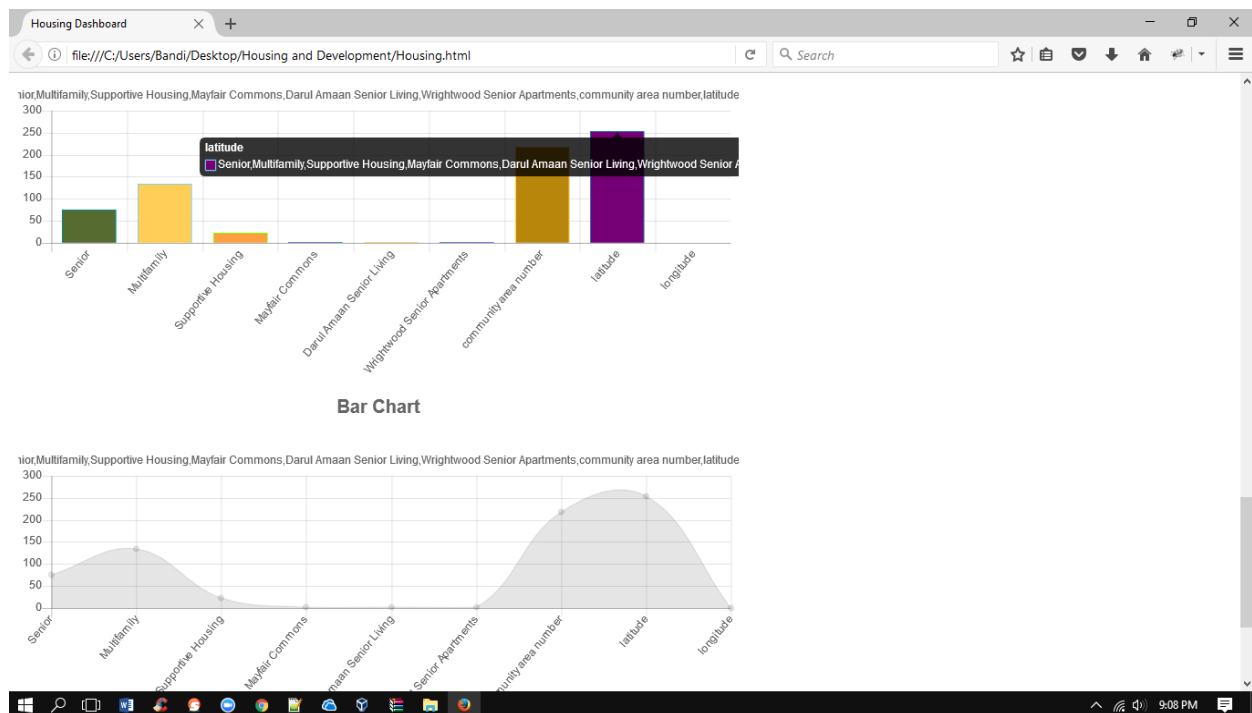
☐ Bar Chart ☐ Pie Chart ☐ Line Chart ☐ Doughnut Chart

### 6. Generating the common rows for generating charts from csv upon selecting the filters.

## Output Screenshots.

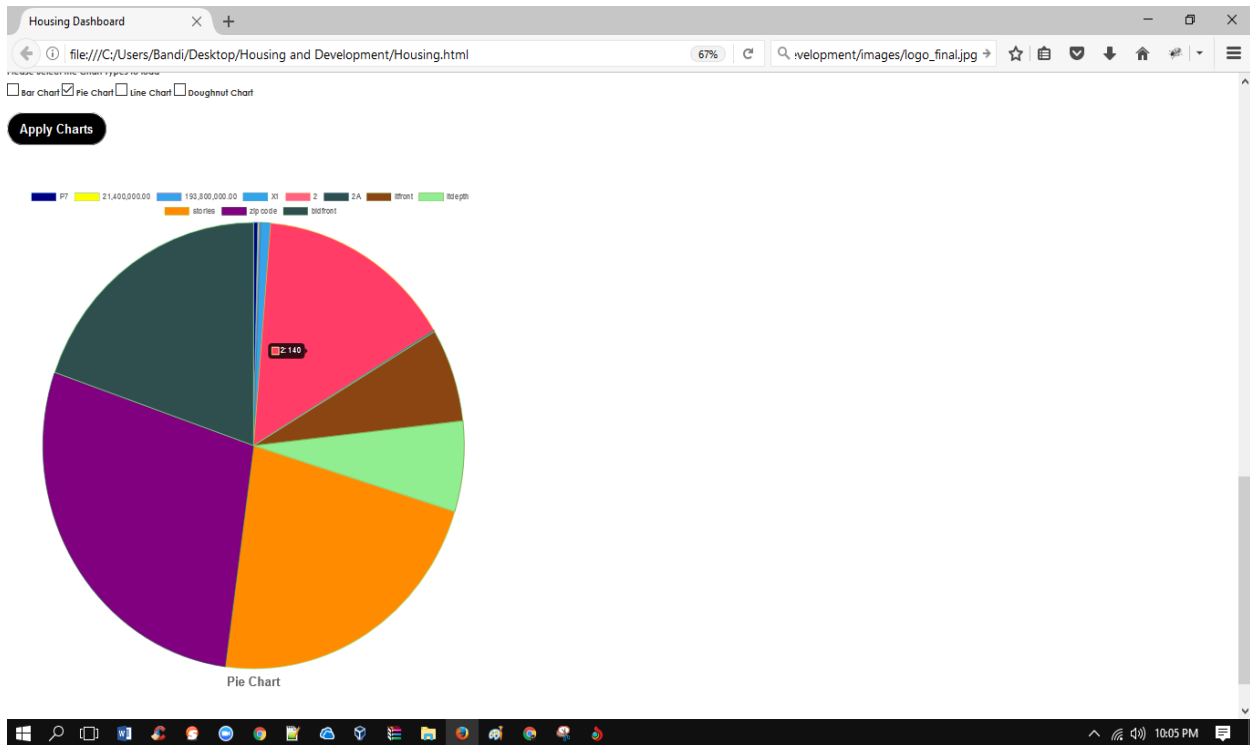
The screenshot shows a web application titled "Housing Dashboard". At the top, there are checkboxes for "Management Company", "Units", "Latitude", "Longitude", and "Location". Below these is a black "Add Filter" button. A message says "Please Select the you want to apply Filters". There are two dropdown menus: "Property Type" with options "Senior", "Multifamily", "Senior HUD 202", and "Supportive Housing"; and "Property Name" with options "Mayfair Commons", "Senior Suites of Ravens", "Darul Amaan Senior Living", and "Wrightwood Senior Apartments". Below these is a section for "Please Select The Filter Conditions" with radio buttons for "Greater Than Equal To", "Less Than Equal To", and "Equal To". A text input field labeled "Please Enter Numerical Value To Filter" contains the number "20". Another section "Please Select the Chart Types to load" has checkboxes for "Bar Chart", "Pie Chart", "Line Chart", and "Doughnut Chart", with "Bar Chart" and "Line Chart" selected. A black "Apply Charts" button is at the bottom.

### 7. After fetching rows selecting the rows and numerical value for plotting graph.

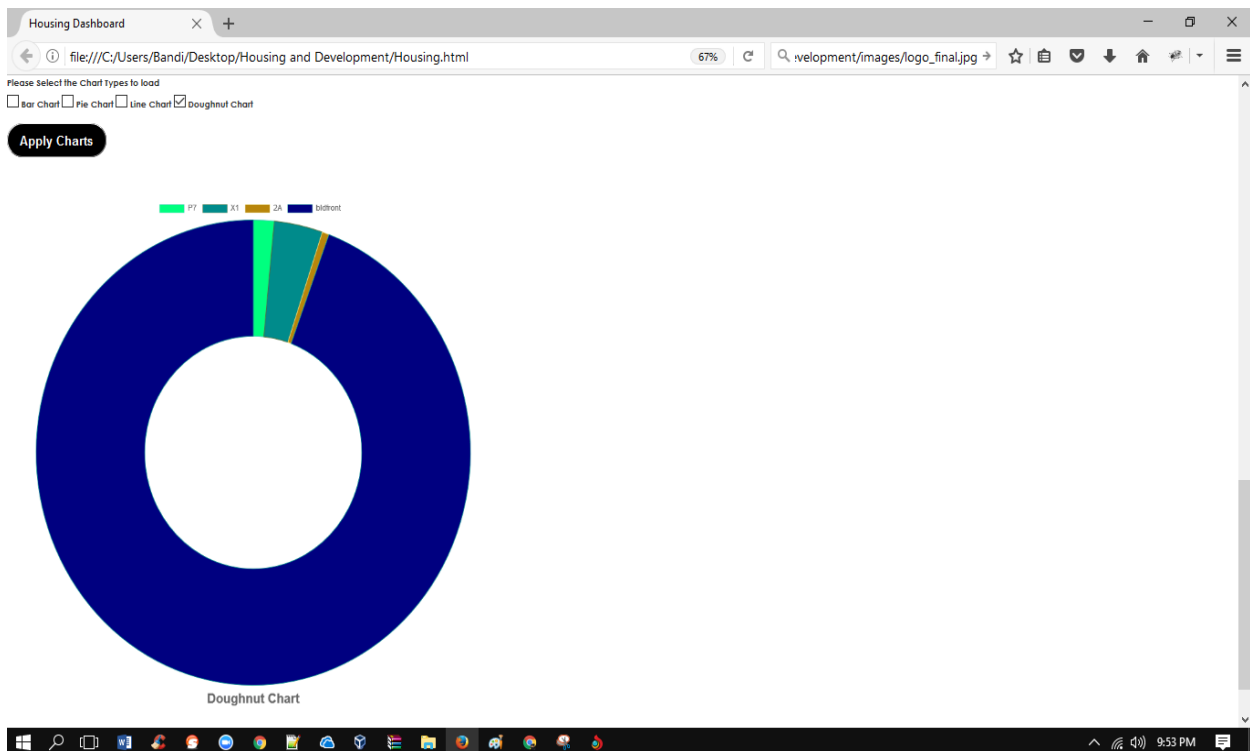


### 8. Bar chart and line chart for the filters in previous screenshot.

## Output Screenshots.

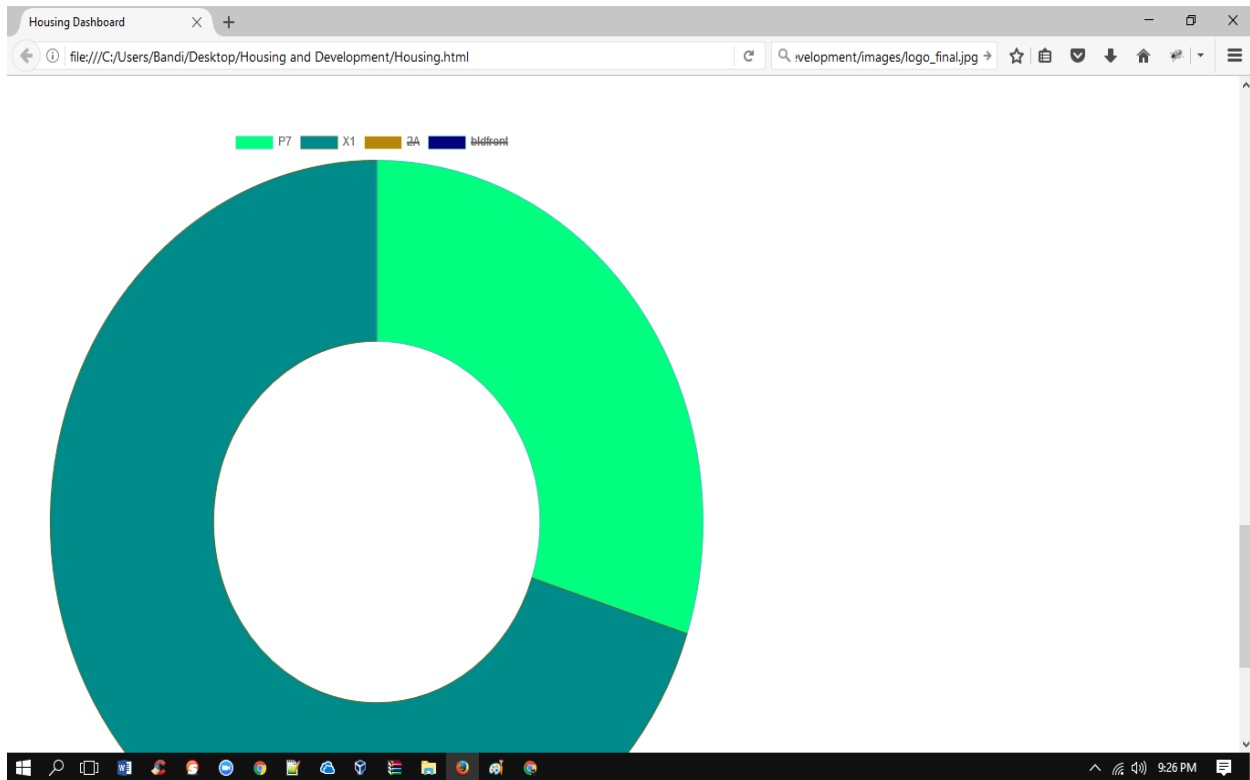


9. Applied pie chart for some filters from Austin housing data.



## 10. Plotting Doughnut chart for filters from New York housing data.

## Output Screenshots.



### 11. Functionality to remove the header from chart to make it more responsive.

The table displays the following data:

BBLE	BLOCK	LOT	OWNER	BLDGCL	TAXCLASS	LTFRONT	LTDEPTH	STORIES	FULLVAL	AVLAND	AVTOT
1000010101	1	101	U S GOVT LAND & BLDGS	P7	4	500	1046		21,400,000.00	4,225,500.00	9,630,000.00
1000010201	1	201	U S GOVT LAND & BLDGS	Z9	4	27	0		193,800,000.00	14,310,000.00	87,210,000.00
1000020001	2	1	DEPT OF GENERAL SERVI	Y7	4	709	564	3	104,686,000.00	39,008,700.00	47,108,700.00
1000020023	2	23	DEPARTMENT OF BUSINES	T2	4	793	551	2	39,200,000.00	15,255,000.00	17,640,000.00
1000030001	3	1	PARKS AND RECREATION	Q1	4	323	1260	1	272,300,000.00	121,050,000.00	122,535,000.00
1000030002	3	2	PARKS AND	Q1	4	496	76		10,600,000.00	4,770,000.00	4,770,000.00

Filter section: You can select multiple columns here to filter

BBLE ☐ BLOCK ☐ LOT ☐ OWNER ☐ BLDGCL ☒ TAXCLASS ☒ LTFRONT ☐ LTDEPTH ☐ STORIES ☐ FULLVAL ☐ AVLAND ☐ AVTOT ☐

EXLAND ☐ EXTOT ☐ EXCD1 ☐ STADDR ☐ ZIP CODE ☐ EXMPTCL ☒ BLDFRONT ☒ BLDDEPTH ☐ AVLAND2 ☐ AVTOT2 ☐

### 12. Used the webpage effectively by placing numbering and scrolling within table.

## Output Screenshots.

The screenshot shows a web application titled "Housing Dashboard". It features a "Load Dataset" button and a search bar. Below the search bar is a table with 12 columns: BBLE, BLOCK, LOT, OWNER, BLDGCL, TAXCLASS, LTFRONT, LTDEPTH, STORIES, FULLVAL, AVLAND, and AVTOT. The table displays 5 rows of data. At the bottom, there are pagination controls showing "Previous", "1", "2", "3", "4", "5", "...", "27", and "Next".

BBLE	BLOCK	LOT	OWNER	BLDGCL	TAXCLASS	LTFRONT	LTDEPTH	STORIES	FULLVAL	AVLAND	AVTOT
1000020023	2	23	DEPARTMENT OF BUSINES	T2	4	793	551	2	39,200,000.00	15,255,000.00	17,640,000.00
1000020001	2	1	DEPT OF GENERAL SERVI	Y7	4	709	564	3	104,686,000.00	39,008,700.00	47,108,700.00
1000010101	1	101	U S GOVT LAND & BLDGS	P7	4	500	1046		21,400,000.00	4,225,500.00	9,630,000.00
1000030002	3	2	PARKS AND RECREATION	Q1	4	496	76		10,600,000.00	4,770,000.00	4,770,000.00
1000030010	3	10	DEPT RE-CITY OF NY	Z9	4	362	177	3	28,100,000.00	11,070,000.00	12,645,000.00

### 13. Implemented sorting with in table.

The screenshot shows the "Housing Dashboard" with the filter and chart options. It includes a "Load Dataset" button and a search bar. Below the search bar, there are checkboxes for various columns: BBLE, BLOCK, LOT, OWNER, BLDGCL, TAXCLASS, LTFRONT, LTDEPTH, STORIES, FULLVAL, AVLAND, and AVTOT. The "Add Filter" button is visible. Below it, there are three dropdown menus for "BLDGCL", "EXMPTCL", and "TAXCLASS". The "Please Select The Filter Conditions" section shows three radio buttons: "Greater Than Equal To" (selected), "Less Than Equal To", and "Equal To". Below this is a text input field for "Please Enter Numerical Value To Filter" with the value "200". The "Please Select the Chart Types to load" section shows four checkboxes: "Bar Chart", "Pie Chart", "Line Chart", and "Doughnut Chart" (checked). At the bottom, there is an "Apply Charts" button.

Please Select the you want to apply Filters

Please Select The Filter Conditions

☒ Greater Than Equal To  
☐ Less Than Equal To  
☐ Equal To

Please Enter Numerical Value To Filter

200

Please Select the Chart Types to load

☐ Bar Chart ☐ Pie Chart ☐ Line Chart ☒ Doughnut Chart

Apply Charts

### 14. Placed number field for numeric columns.