



MILESTONE 2: FEB 27 – MAR 10

Graphical User Interface Programming





LEARNING OBJECTIVES

- Filtering data shown in a table view
- Using JavaFX UI elements to interact with users
- GUI and event-driven programming
- Polishing user interface and interaction

ACTIVITIES

- Add data source selection and search features to the Edmonton Property Assessments GUI Application (see screenshots and demo in lab)
- Learn how to use UI elements to get and present information
- Learn how to implement event handlers to process button click events (`EventHandler<ActionEvent>`)
- Pay attention to UI/UX details

**Select Data Source**

CSV File
Edmonton's Open Data Portal

Find Property Assessment

Account Number:

Address (#suite #house street):

Neighbourhood:

Assessment Class:

Assessed Value Range:

Min Value Max Value

Edmonton Property Assessments (2022)

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
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Select a data source

No Data to Display

**Select Data Source**

CSV File

Read Data**Find Property Assessment**

Account Number:

Address (#suite #house street):

Neighbourhood:

Assessment Class:

Assessed Value Range:

Min Value

Max Value

Search**Reset****Edmonton Property Assessments (2022)**

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
10000000	18230 107A STREET NW	\$376,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64449472225539, -113.510581...)
10000001	18234 107A STREET NW	\$387,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64458907575457, -113.51057...)
10000002	18238 107A STREET NW	\$385,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64468227993405, -113.51055...)
10000003	18242 107A STREET NW	\$388,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64478581640916, -113.510549...)
10000004	18203 107 STREET NW	\$436,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64462701448683, -113.50843...)
10000005	18207 107 STREET NW	\$454,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64476204264954, -113.50843...)
10000006	18211 107 STREET NW	\$428,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64488251168454, -113.50842...)
10000007	18214 106A STREET NW	\$418,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644904573062114, -113.50788...)
10000008	18210 106A STREET NW	\$447,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64478801868623, -113.50788...)
10000009	18206 106A STREET NW	\$422,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64466830260874, -113.50789...)
10000010	169 CASTLE DRIVE NW	\$386,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427089620386, -113.50697...)
10000011	171 CASTLE DRIVE NW	\$394,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427295077396, -113.50747...)
10000012	173 CASTLE DRIVE NW	\$382,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427363516683, -113.50764...)
10000013	175 CASTLE DRIVE NW	\$395,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644274336393, -113.5078130...)
10000014	177 CASTLE DRIVE NW	\$406,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427489842004, -113.50799...)
10000015	179 CASTLE DRIVE NW	\$383,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64426125866228, -113.508167...)
10000016	181 CASTLE DRIVE NW	\$412,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644242563186175, -113.50833...)
10000017	183 CASTLE DRIVE NW	\$410,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64421466694158, -113.50850...)
10000018	185 CASTLE DRIVE NW	\$398,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64418344529104, -113.50868...)
10000019	187 CASTLE DRIVE NW	\$404,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64414450153466, -113.50888...)
10000020	189 CASTLE DRIVE NW	\$397,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.6442877432358327, -113.522841...)
10000021	191 CASTLE DRIVE NW	\$384,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64428774331923734, -113.52300...)
10000022	179 MACEWAN ROAD SW	\$411,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohtsi W...	(53.428774339642295, -113.52317...)
10000023	181 MACEWAN ROAD SW	\$395,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohtsi W...	(53.428774347124744, -113.52333...)
10000024	183 MACEWAN ROAD SW	\$373,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohtsi W...	(53.42926834839379, -113.52275...)

Display data from the selected source

**Select Data Source**

Edmonton's Open Data Portal

Read Data**Find Property Assessment**

Account Number:

Address (#suite #house street):

Neighbourhood:

Assessment Class:

Assessed Value Range:

Min Value

Max Value

Search**Reset****Edmonton Property Assessments (2022)**

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
10000000	18230 107A STREET NW	\$376,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64449472225539, -113.510581...)
10000001	18234 107A STREET NW	\$387,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64458907575457, -113.51057...)
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10000003	18242 107A STREET NW	\$388,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64478581640916, -113.510549...)
10000004	18203 107 STREET NW	\$436,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64462701448683, -113.50843...)
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10000006	18211 107 STREET NW	\$428,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644882511168454, -113.50842...)
10000007	18214 106A STREET NW	\$418,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644904573062114, -113.50788...)
10000008	18210 106A STREET NW	\$447,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64478801868623, -113.50788...)
10000009	18206 106A STREET NW	\$422,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64466830260874, -113.50789...)
10000010	169 CASTLE DRIVE NW	\$386,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427089620386, -113.50697...)
10000011	171 CAS...				'158129279, -113.507143...
10000012	173 CAS...				'226614967, -113.507310...
10000013	175 CASTLE DRIVE NW	\$394,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427295077396, -113.50747...)
10000014	177 CASTLE DRIVE NW	\$382,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427363516683, -113.50764...)
10000015	179 CASTLE DRIVE NW	\$395,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644274336393, -113.5078130...)
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10000017	183 CASTLE DRIVE NW	\$383,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64426125866228, -113.508167...)
10000018	185 CASTLE DRIVE NW	\$412,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644242563186175, -113.50833...)
10000019	187 CASTLE DRIVE NW	\$410,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64421466694158, -113.50850...)
10000020	189 CASTLE DRIVE NW	\$398,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64418344529104, -113.50868...)
10000021	191 CASTLE DRIVE NW	\$404,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64414450153466, -113.50888...)
10000024	179 MACEWAN ROAD SW	\$397,000	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiahtsi W...	(53.42877432358327, -113.522841...)
10000025	181 MACEWAN ROAD SW	\$384,000	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiahtsi W...	(53.428774331923734, -113.52300...)
10000026	183 MACEWAN ROAD SW	\$411,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiahtsi W...	(53.428774339642295, -113.52317...)
10000027	185 MACEWAN ROAD SW	\$395,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiahtsi W...	(53.428774347124744, -113.52333...)
10000028	178 MACEWAN ROAD SW	\$373,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiahtsi W...	(53.42926834839379, -113.52275...)

Display data from the selected source

**Select Data Source**

Edmonton's Open Data Portal

Find Property Assessment

Account Number:

9961627

Address (#suite #house street):

Neighbourhood:

Assessment Class:

Assessed Value Range:

Min Value

Max Value

Edmonton Property Assessments (2022)

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
9961627	9925 109 STREET NW	\$26,989,500	[COMMERCIAL 100%]	DOWNTOWN (O-day/min Ward)	(53.53785914868959, -113.50788...

**Simple filter: search by account number**

Select Data Source

Edmonton's Open Data Portal

Read Data**Find Property Assessment**

Account Number:

Address (#suite #house street):

93 avenue

Neighbourhood:

Assessment Class:

Assessed Value Range:

 Min Value Max Value
Search**Reset****Edmonton Property Assessments (2022)**

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
10045841	1 15431 93 AVENUE NW	\$94,500	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045842	2 15431 93 AVENUE NW	\$82,500	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045843	3 15431 93 AVENUE NW	\$90,000	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045844	4 15431 93 AVENUE NW	\$94,500	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045845	5 15431 93 AVENUE NW	\$106,500	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045846	6 15431 93 AVENUE NW	\$103,500	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045847	7 15431 93 AVENUE NW	\$101,000	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10045848	8 15431 93 AVENUE NW	\$100,000	[RESIDENTIAL 100%]	SHERWOOD (sipiwiyiniwak Ward)	(53.52823731297642, -113.58808...
10142272	93 AVENUE NW	\$100,000	[RESIDENTIAL 100%]	Nakota Isga Ward	(53.528260548777055, -113.6773...
10142273	20691 93 AVENUE NW	\$519,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52811847831685, -113.677008...
10142274	20687 93 AVENUE NW	\$505,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52802878894259, -113.67684...
10142275	20683 93 AVENUE NW	\$536,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52788652427171, -113.676718...
10142277	20679 93 AVENUE NW	\$587,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52776899188415, -113.676489...
10142282	20680 93 AVENUE NW	\$653,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52834299355687, -113.67643...
10142283	20675 93 AVENUE NW	\$673,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52782132533634, -113.676097...
10142284	20671 93 AVENUE NW	\$660,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52793876935942, -113.67592...
10142285	20667 93 AVENUE NW	\$558,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52801616354456, -113.675735...
10142286	20663 93 AVENUE NW	\$583,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.528092951151606, -113.67554...
10142287	20659 93 AVENUE NW	\$758,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52817522975421, -113.675348...
10142288	20655 93 AVENUE NW	\$593,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52826127543108, -113.675161...
10142289	20651 93 AVENUE NW	\$570,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52835157264646, -113.67499...
10142290	20647 93 AVENUE NW	\$698,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.528445396809154, -113.6748...
10142291	20643 93 AVENUE NW	\$605,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52853939112798, -113.674646...
10142292	20639 93 AVENUE NW	\$560,500	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.528631423837105, -113.67447...
10142293	20635 93 AVENUE NW	\$584,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.528723456301066, -113.6743...
10142294	20631 93 AVENUE NW	\$739,000	[RESIDENTIAL 100%]	WEBBER GREENS (Nakota Isga Ward)	(53.52881367805587, -113.674138...

Simple filter: search by address

Select Data Source

Edmonton's Open Data Portal

Read Data**Find Property Assessment**

Account Number:

Address (#suite #house street):

Neighbourhood:

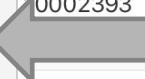
Assessment Class:

Assessed Value Range:

 Min Value Max Value
Search**Reset****Edmonton Property Assessments (2022)**

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
10001965	10025 JASPER AVENUE NW	\$171,932,000	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.540222654215746, -113.49114...
10002384	10506 JASPER AVENUE NW	\$416,500	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002385	10508 JASPER AVENUE NW	\$169,000	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002386	10104 105 STREET NW	\$193,500	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002387	101 10108 105 STREET NW	\$266,000	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002388	102 10108 105 STREET NW	\$291,500	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002389	201 10106 105 STREET NW	\$190,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002390	202 10106 105 STREET NW	\$206,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002391	203 10106 105 STREET NW	\$118,500	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002392	204 10106 105 STREET NW	\$165,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002393					113.50160...
10002395	302 10106 105 STREET NW	\$400,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002396	303 10106 105 STREET NW	\$121,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002397	304 10106 105 STREET NW	\$168,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002398	305 10106 105 STREET NW	\$262,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002399	401 10106 105 STREET NW	\$210,500	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002400	402 10106 105 STREET NW	\$213,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002401	403 10106 105 STREET NW	\$123,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002402	404 10106 105 STREET NW	\$171,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002403	405 10106 105 STREET NW	\$266,500	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002404	501 10106 105 STREET NW	\$199,500	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002405	502 10106 105 STREET NW	\$216,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002406	503 10106 105 STREET NW	\$124,500	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002407	504 10106 105 STREET NW	\$173,500	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002408	505 10106 105 STREET NW	\$270,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...
10002409	601 10106 105 STREET NW	\$298,000	[RESIDENTIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.541507883437944, -113.50160...

Simple filter: search by neighbourhood name



**Select Data Source**

Edmonton's Open Data Portal

Read Data**Find Property Assessment**

Account Number:

Address (#suite #house street):

Neighbourhood:

Assessment Class:

 COMMERCIAL

Assessed Value Range:

 Min Value Max Value
Search**Reset****Edmonton Property Assessments (2022)**

Account	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
9961627	9925 109 STREET NW	\$26,989,500	[COMMERCIAL 100%]	DOWNTOWN (O-day'min Ward)	(53.53785914868959, -113.50788...
10191006	5815 99 STREET NW	\$3,653,500	[COMMERCIAL 100%]	CORONET INDUSTRIAL (papastew ...	(53.49429968500478, -113.48464...
1015817	1150 105 STREET NW	\$24,000	[COMMERCIAL 100%]	BEARSPAWE (ipiikoohipiaohsi W...	(53.44270029307887, -113.50027...
3801149	5805 99 STREET NW	\$1,513,000	[COMMERCIAL 100%]	CORONET INDUSTRIAL (papastew ...	(53.49355576471371, -113.484596...
3768371	19024 56 AVENUE NW	\$10,000	[COMMERCIAL 100%]	JAMIESON PLACE (sipiwiyiniwak Ward)	(53.492331042231896, -113.65221...
3899440	10925 97 AVENUE NW	\$94,000	[COMMERCIAL 100%]	RIVER VALLEY VICTORIA (O-day'min...	(53.53325269108669, -113.511145...
1015809	505 WOLF WILLOW ROAD NW	\$1,289,500	[COMMERCIAL 100%]	WESTRIDGE (sipiwiyiniwak Ward)	(53.50594638829858, -113.60446...
7012453	8810 112 STREET NW	\$592,500	[COMMERCIAL 100%]	UNIVERSITY OF ALBERTA (papastew...	(53.52398647361645, -113.521700...
1540103	16704 113 AVENUE NW	\$2,073,000	[COMMERCIAL 100%]	WEST SHEFFIELD INDUSTRIAL (Nak...	(53.561762370850445, -113.6098...
7929961		\$500	[COMMERCIAL 100%]	RAMSAY HEIGHTS (pihésiwin Ward)	(53.4867790101367, -113.5832093...
3801131	5805 98 STREET NW	\$5,380,000	[COMMERCIAL 100%]	CORONET INDUSTRIAL (papastew ...	(53.4928750398251, -113.483092...
1114115	12711 231 STREET NW	\$3,694,500	[RESIDENTIAL 86%, COMMERCIAL 1...	KINGLET GARDENS (Nakota Isga Wa...	(53.58120270246327, -113.705222...
2719805	10426 124 STREET NW	\$428.500	[COMMERCIAL 100%]	WESTMOUNT (O-day'min Ward)	(53.547202091094746, -113.5364...
6783088	15239 94 STREET NW	\$500	[COMMERCIAL 100%]	EVANSDALE (tastawiyiniwak Ward)	(53.613895749675294, -113.4848...
3801123	5805 98 STREET NW	\$7,500	[COMMERCIAL 100%]	CORONET INDUSTRIAL (papastew ...	(53.49362521352418, -113.483167...
1114123	12510 WINTERBURN ROAD NW	\$9,864,000	[RESIDENTIAL 97%, COMMERCIAL 2...	KINGLET GARDENS (Nakota Isga Wa...	(53.58166413219004, -113.695397...
1081355	420 WOLF WILLOW ROAD NW	\$19,000	[COMMERCIAL 100%]	WESTRIDGE (sipiwiyiniwak Ward)	(53.505818114861235, -113.60918...
3735586	10967 97 STREET NW	\$610,500	[COMMERCIAL 100%]	MCCAULEY (O-day'min Ward)	(53.55701412885098, -113.491169...
9994371	7520 100 STREET NW	\$73,000	[COMMERCIAL 100%]	CPR IRVINE (papastew Ward)	(53.51533816907004, -113.49364...
3047438	12011 168 STREET NW	\$965,500	[COMMERCIAL 100%]	CARLETON SQUARE INDUSTRIAL (N...	(53.5724049993455, -113.610704...
10059962	4420 76 AVENUE NW	\$4,098,500	[COMMERCIAL 100%]	WEIR INDUSTRIAL (Métis Ward)	(53.513086103922205, -113.4090...
4784237	12305 67 STREET NW	\$0	[COMMERCIAL 100%]	INDUSTRIAL HEIGHTS (Métis Ward)	(53.578552918378314, -113.44406...
1114164	12803 231 STREET NW	\$7,509,000	[RESIDENTIAL 78%, COMMERCIAL 2...	HAWKS RIDGE (Nakota Isga Ward)	(53.58841059410065, -113.707427...
2228229	12925 148 STREET NW	\$2,502,000	[COMMERCIAL 100%]	BONAVENTURE INDUSTRIAL (Anirni...	(53.58723561587956, -113.573586...
10485899	1442 WATT DRIVE SW	\$17,500	[COMMERCIAL 100%]	WALKER (Karhiio Ward)	(53.41423351935641, -113.436941...

Simple filter: search by assessment class

Select Data Source

Edmonton's Open Data Portal

Read Data

Find Property Assessment

Account Number:

Address (#suite #house street):

Neighbourhood:

Assessment Class:

Assessed Value Range:

500000

750000

Search

Reset

Edmonton Property Assessments (2022)

Account ▲	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
10000149	405 SPARLING COURT SW	\$569,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.421549528036074, -113.4687...
10000150	407 SPARLING COURT SW	\$503,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.421670372379246, -113.46875...
10000151	409 SPARLING COURT SW	\$528,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42179121541562, -113.468759...
10000152	411 SPARLING COURT SW	\$584,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42191452847475, -113.468759...
10000153	415 SPARLING COURT SW	\$613,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42203784287112, -113.468760...
10000154	417 SPARLING COURT SW	\$534,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.422161177854214, -113.46876...
10000155	419 SPARLING COURT SW	\$521,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42228699146506, -113.46877...
10000156	421 SPARLING COURT SW	\$565,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42241032923849, -113.46879...
10000157	423 SPARLING COURT SW	\$551,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42255543920848, -113.46879...
10000158	425 SPARLING COURT SW	\$557,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42274172059185, -113.468759...
10000159	427 SPARLING COURT SW	\$657,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.4228829529879, -113.468763...
10000160	454 SPARLING COURT SW	\$563,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.422939093178705, -113.46912...
10000162	1218 SUMMERSIDE DRIVE SW	\$501,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42141169448162, -113.468759...
10000163	452 SPARLING COURT SW	\$562,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42293101478819, -113.469519...
10000164	450 SPARLING COURT SW	\$685,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42289710004568, -113.46963...
10000165					3.469663...
10000167					13.46963...
10000168	440 SPARLING COURT SW	\$604,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.422282037336984, -113.4695...
10000169	438 SPARLING COURT SW	\$524,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42214926986214, -113.469578...
10000170	436 SPARLING COURT SW	\$584,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.422236774057765, -113.4699...
10000171	434 SPARLING COURT SW	\$659,500	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42221567494978, -113.470191...
10000172	432 SPARLING COURT SW	\$558,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42220898853967, -113.47039...
10000173	430 SPARLING COURT SW	\$535,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42221593978782, -113.470647...
10000174	428 SPARLING COURT SW	\$547,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42218366659041, -113.470891...
10000175	426 SPARLING COURT SW	\$579,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.4220661101149, -113.4710449...
10000176	424 SPARLING COURT SW	\$533,000	[RESIDENTIAL 100%]	SUMMERSIDE (Karhio Ward)	(53.42182720390364, -113.471059...

Simple filter: search by assessed value range



**Select Data Source**

Edmonton's Open Data Portal

Read Data**Find Property Assessment**

Account Number:

Address (#suite #house street):

199 ST

Neighbourhood:

Riverview

Assessment Class:

FARMLAND

Assessed Value Range:

Min Value 700000**Search****Reset****Edmonton Property Assessments (2022)**

Account ▲	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
1109461	2104 199 STREET SW	\$25,500	[FARMLAND 100%]	RIVERVIEW AREA (sipiwiyiniwak Ward)	(53.412263427500264, -113.6703...
1109685	803 199 STREET NW	\$6,000	[FARMLAND 100%]	RIVERVIEW AREA (sipiwiyiniwak Ward)	(53.43844521396785, -113.661058...
1110006	104 199 STREET NW	\$37,500	[FARMLAND 100%]	RIVERVIEW AREA (sipiwiyiniwak Ward)	(53.43590689890117, -113.670576...
1110014	650 199 STREET NW	\$480,500	[RESIDENTIAL 99%, FARMLAND 1%]	RIVERVIEW AREA (sipiwiyiniwak Ward)	(53.43675593578874, -113.66752...
1110154	903 199 STREET NW	\$25,500	[FARMLAND 100%]	RIVERVIEW AREA (sipiwiyiniwak Ward)	(53.44311410337451, -113.6611061...
9995643	3004 199 STREET SW	\$640,500	[RESIDENTIAL 96%, FARMLAND 4%]	RIVERVIEW AREA (sipiwiyiniwak Ward)	(53.40869095282444, -113.67033...

**Advanced filters: search by multiple criteria**

Select Data Source

Edmonton's Open Data Portal

Read Data

Find Property Assessment

Account Number:

Address (#suite #house street):

Neighbourhood:

DOWNTOWN

Assessment Class:

FARMLAND

Assessed Value Range:

Min Value

Max Value

Search

Reset

Edmonton Property Assessments (2022)

Account ▲	Address	Assessed Value	Assessment Class	Neighbourhood	(Latitude, Longitude)
10000000	18230 107A STREET NW	\$376,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64449472225539, -113.510581...
10000001	18234 107A STREET NW	\$387,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64458907575457, -113.51057...
10000002	18238 107A STREET NW	\$385,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64468227993405, -113.51055...
10000003	18242 107A STREET NW	\$388,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64478581640916, -113.510549...
10000004	18203 107 STREET NW	\$436,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64462701448683, -113.50843...
10000005	18207 107 STRE			Search Results	
10000006	18211 107 STRE				
10000007	18214 106A STR				
10000008	18210 106A STR				
10000009	18206 106A STR				
10000010	169 CASTLE DRIVE NW	\$386,000	[RESIDENTIAL 100%]		
10000011					8129279, -113.507143...
10000012					:6614967, -113.507310...
10000013					:15077396, -113.50747...
10000014	177 CASTLE DRIVE NW	\$382,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427363516683, -113.50764...
10000015	179 CASTLE DRIVE NW	\$395,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644274336393, -113.5078130...
10000016	181 CASTLE DRIVE NW	\$406,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64427489842004, -113.50799...
10000017	183 CASTLE DRIVE NW	\$383,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64426125866228, -113.508167...
10000018	185 CASTLE DRIVE NW	\$412,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.644242563186175, -113.50833...
10000019	187 CASTLE DRIVE NW	\$410,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64421466694158, -113.50850...
10000020	189 CASTLE DRIVE NW	\$398,000	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64418344529104, -113.50868...
10000021	191 CASTLE DRIVE NW	\$404,500	[RESIDENTIAL 100%]	CHAMBERY (tastawiyiniwak Ward)	(53.64414450153466, -113.50888...
10000024	179 MACEWAN ROAD SW	\$397,000	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohsi W...	(53.42877432358327, -113.522841...
10000025	181 MACEWAN ROAD SW	\$384,000	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohsi W...	(53.428774331923734, -113.52300...
10000026	183 MACEWAN ROAD SW	\$411,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohsi W...	(53.428774339642295, -113.52317...
10000027	185 MACEWAN ROAD SW	\$395,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohsi W...	(53.428774347124744, -113.52333...
10000028	178 MACEWAN ROAD SW	\$373,500	[RESIDENTIAL 100%]	MACEWAN (Ipiihkoohkanipiaohsi W...	(53.42926834839379, -113.52275...

Provide feedback for unsuccessful search

Oops, did not find anything!

OK

DEVELOPMENT TIPS

1. Start with basic features:

- Data Access Objects
- TableView
- Data source selection

2. Search features:

- Simple filters: single criterion
- Advanced filters: multiple criteria

3. User interface and experience:

- UI details and user experience

MILESTONE 2 – MARCH 10

- The second deliverable will be due on March 10 (end of day)
- The deliverable should include all required features specified in Labs 5 – 8
- Please ask for clarification about the expectations if you have any questions
- Zip your **project folder** and submit it to mēskanâs before the deadline
- This assignment is worth 20% of your final grade

EVALUATION CRITERIA

Evaluation criteria include (but not limited to) the following aspects of the application:

- **Correctness of the required features:**
 - Data source: CSV and API
 - TableView: displaying data in the table
 - Search features: simple filters and multiple search criteria
- **Overall qualities of the application:**
 - User interface and experience