

Lab Assignment #5

Due Date: 20 Jul 2018

Purpose: The purpose of this lab assignment is to:

- Develop Android applications with LBS capabilities

References: Textbook, ppt slides and Android tutorials (<http://developer.android.com/guide/topics/location/index.html>). This material provides the necessary information that you need to complete the exercises.

Be sure to read the following general instructions carefully:

- This assignment must be completed **individually** by all the students.
- You will have to **demonstrate your solution in a scheduled lab session** and upload the solution on e-Centennial through the assignment link.

Tasks

Develop an Android app that allows users to locate various Car showrooms or Car sales in the city of Toronto. Your UI should display a list of available Car showroom businesses and their address and sales number. The application should display the **standard map and satellite map** of the showrooms whenever user selects the name in the list.

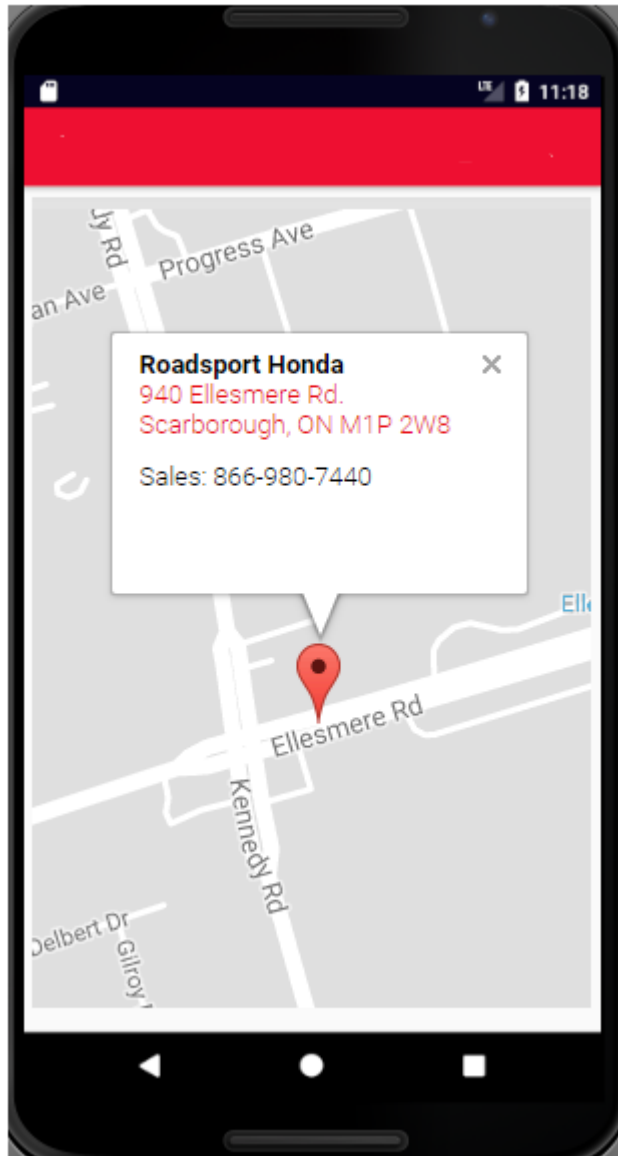
Make sure to classify showrooms / car sales according to their **brand**. For example: Honda, Chevrolet, Ford, and Nissan, etc. The first activity shows a list of different brands. Other activities show the **list** of showrooms belonging to the selected brand. When user selects a showroom, another activity shows the map with a **marker** pointing to the selected showroom as shown in the picture below. (with full address, sales number and a logo icon). The map should have a zoom in facility too.

Provide a friendly and nice UI. Use ListView controls for displaying the list of brands and showrooms. Use styles to create nice displays of lists.

(10 marks)

Evaluation Rubrics:

Functionality:	85%
Friendliness:	10%
<u>Innovation:</u>	<u>5%</u>
Total:	100 %



Submission and Assignment Naming Rules just like Assignment 3.

Academic honesty (Plagiarism and cheating)

All students must follow the academic honesty policies regarding Plagiarism and cheating on assignments, Quizzes or Tests. Centennial college's Academic Policy will be strictly enforced. To support academic honesty at Centennial College, all academic work submitted by students may be reviewed for authenticity and originality, with utilizing software tools.

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