



Faculty of Engineering and Applied Science

SOFE4640U: Mobile Application Development

**Assignment #2:**

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For this report, I will discuss how i used databases to create a mobile application involving Greater Toronto Area cities.

So for creating the database, i created a new file called LocationDatabaseHelper which contains all the sql code to create the database and to hold all database function that i will need to call later on.

### **Functions**

These are the functions that are available to be called in the database helper file

oncreate()

- This creates the database with the tables and columns required

onUpgrade()

- This function helps updates teh database to a new version if anything needs to be changed

addLoc(address: String, lat: Double, long: Double)

- This function is used to add a new location to the database and requires three parameters, an address, a latitude and longitude

delLoc

- This function is used to delete a location in the database this requires an address to match with

updateLoc()

- This updates the location of an entry in the database, this requires an address, a latitude and longitude

findLocation()

- This finds a entry in the database

**GitHub reference:** <https://github.com/DaiAndy/assignment2Mobile>