# Cross-Platform Mobile Application Development

# Repeat Project – 60%

# Due Date – Monday2ndJanuary 20175:00 pm

Design, develop and test a mobile application using the Ionic framework that allows a user to enter the number of calories eaten for the following meals:

* Breakfast
* Dinner
* Tea
* Supper
* Snacks

The first tab should have 5 buttons corresponding to the meals above. Each time a button is pressed the user should be prompted to enter the calories he or she has eaten for that meal.

The second tab should display 5 main headings corresponding to the meals above. Under each heading (Breakfast, Dinner, etc.) the Average, Maximum and Minimum calorie intake for each meal should be displayed.

There is no need to keep track of calories per day – only per meal type.

Include error checking so that the user only enters valid calories i.e. positive integers.

Include functionality to scan a barcode from a product – The barcode information can be displayed in an alert box.

A sample application using Toast notifications, the camera as a barcode scanner, and the mobile device’s gallery can be found at:<https://github.com/ghon2/ToastScanPictures.git>

The Cordova plugins to access the mobile device’s barcode scanner can be found at:

http://ngcordova.com/docs/plugins/barcodeScanner/

# Submission

A zipped ionic project should be uploaded to Learnonline before Monday January2nd 2017 at 5:00pm.

In the event you are unable to access Learnonline, the zipped Ionic project should be emailed to [Gerard.harrison@gmit.ie](mailto:Gerard.harrison@gmit.ie) before the deadline above.