# Cross-Platform Mobile Application Development

# Project – 60%

# Due Date – Thursday 22nd April 5:00 pm

Design, develop and test a mobile application using the Ionic framework.

You can decide on the theme/functionality of app yourself, but it should include the following features:

* Tabs
* Side Menu
* It should take some user input and manipulate it in some way to produce useful output for the user.
* Unlike the Shopping Tracker app, this app should store data so that when the user exits the app and restarts it previously entered data will be available to him or her.
* The app should use two features provided by the mobile device (e.g. contact list, camera, GPS, etc).

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>

Cordova plugins to access mobile device functionality can be found at:

<http://ngcordova.com/docs/plugins/>

https://github.com/katzer/cordova-plugin-email-composer

<http://www.dyn-web.com/code/basics/random_image/random_img_js.php>

Create a second array to push onto q and then store

var q = [

["abc", "def"],

["quote2", "other autorh"]

];

console.log("first 2 arrays: "+q);

var newQuotes = [];

var x = ["quote 3", "a3"];

newQuotes.push(x);

console.log(q+"cl3");

localStorage.setItem("newQuotes", JSON.stringify(newQuotes));

newQuotes = JSON.parse(localStorage.getItem("newQuotes"));

console.log("new quotes "+newQuotes);

console.log("prints out "+localStorage.getItem("asdf"));

<https://developer.mozilla.org/en/docs/Web/JavaScript/Reference/Global_Objects/JSON/parse>

<!-- http://www.w3schools.com/css/css3\_images.asp

http://www.w3schools.com/css/tryit.asp?filename=trycss\_image\_gallery\_responsive

http://www.w3schools.com/css/tryit.asp?filename=trycss\_image\_text\_center

http://stackoverflow.com/questions/20089473/how-to-output-a-javascript-variable-into-an-html-div -->