

UNIVERSITY OF LIMERICK

FINAL YEAR PROJECT

INTERIM REPORT

Litter Tracking Smartphone Appliction

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1 Project Summary

This project is an application for a smart phone targeted at keeping the banks of the river Shannon and other areas clean of litter. This application will work by a user locating a piece of litter, taking a picture of it. The location of the user when the picture is taken will correspond to the location of this particular piece of litter. This data must be stored in a remote location.

Smartphone's have become much more widespread and popular amongst modern society. This can be attributed to the progress technology has made in making very powerful devices which fit in our pocket. Smartphone use is constantly on the up at the moment so this is a market which is still growing.

To incorporate all the functionality mentioned above the application must conform to the points mentioned. The ability to obtain images from the devices camera will be necessary to capture the photo. For this application to work the GPS coordinates or location coordinates must be obtained when a photo is taken. The data obtained (photo and location) must be stored in a remote server for users to view and to store.

To work with all of the above mentioned functionality a suitable device must be picked.

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