Institute of Technology Tallaght, Department of Computing

Higher Diploma in Computing

2013/2014

EAD

CA2 Project

Value: 50%

Out: 11/03/2014

In: 06/05/2014

Team Project – 2 people

Lecturer: Gary Clynch

**Mini Project**

Design and develop a mini-project of your choosing which encompasses the following components:

1. A database containing at least 1 table, SQL Azure or Oracle
2. An ASP.Net MVC application which maintains the data in that database table i.e. list, edit, update, delete using the Entity Framework (database first, model first, or code first)
3. A web service (REST) which provides access to some piece of analysis of the data stored in the database table, one operation will suffice.
4. A simple Windows Phone client for the web service which calls the operation and displays the result

Design and implement the project. Develop some unit tests for the logic of the application (at least 50% code coverage). Use Google Project and SVN to manage the project and its source code.

Deploy the web application and web service on Azure. Run the Windows phone app on the emulator.

Before proceeding specify the functionality of the system and submit to me for vetting before proceeding. Also indicate the team members. If you are not in a team I will randomly assign members to teams.

Deliverables:

* Source code in Google code repository
* Demo of project

Both team members may work on different parts of the project initially but both should be familiar with all the system components and source code. Students will be marked individually.