Computing Project 1
Software Development/Multi-media

Project Requirements

Marking Scheme

Method	Alloc %	Description
Portfolio – 90%	10	System Design
	20	User Interface (Prototype)
	55	System Implementation (including testing)
	5	User Documentation
Presentation – 10%	10	Presentation of system & documentation; Q & A session.

*Please note that this marking scheme is subject to the approval of the external examiner.

Project Deliverables

Deliverable	Description
System Design	Where applicable, revise your system design which you completed in the Software Engineering module in semester 1. This may require modifications to the following elements of this document: • Hierarchy Chart • Requirements specification (Use Case diagrams / Use Case Narratives) • System Model (DFDs) • Data Model (Class Diagram) • Database Schema
System Implementation	You will apply an iterative process to implement your system Working on a single user requirement, do the following: • Review/revise the requirements (design document) • Create prototype (UI) – keep reviewing until satisfactory • Build the required database components (Oracle script) • Comment source code (program specification) • Write well-structured code (global variables, methods) • Unit test early and frequently
User Reference	User manual for a selected number of requirements (TBC).
Presentation	Present the delivered system and supporting documentation. Q & A session.

Implementation Schedule

You should produce an implementation schedule for your project. Aim to have the required software components completed by these dates to ensure that you will meet your overall project deadline. Remember to take calendar events into account. For example, do not include SUNDAYS if you will not be doing project work on Sundays!

Sample Schedule:

Requirement	Duration (days)	Start Date	Due Date
Main Menu & Sub Menus	2	27/01/2014	28/01/2014
Stock Module			
Add Stock	3	29/01/2014	31/01/2014
Amend Stock	2	01/02/2014	03/02/2014
Remove Stock	1	04/02/2014	04/02/2014
Customer Module	etc		
New Customer			
Amend Customer			
List Customers			

Please Note!

It is essential that all students attend timetabled project hours. It is during this time that you can get help with any coding problems you may encounter.

This module incorporates 1 hour per week for project support. It is during this time that support for Visual Studio 2012 C# will be delivered.

Presentation element is mandatory. An overall result will **not** be awarded if presentation is not made.

As previously advised, implementation **must** be done using C#.Net 2012 and Oracle 11g.
Express versions of these products are freely available for download for use on your home computers.
You must however ensure that your system, when submitted, will run on the versions installed in IT Tralee.