

# Higher Diploma in Computing

## Software Development Project Overview

This document outlines the project to be completed for the Project module. The project accounts for 100% of the module mark. The repeat strategy for the module is to complete a repeat project.

### Description

You are required to specify, analyse, design, implement, test and document a medium scale project. The application should be an information management system and be implemented using Java and have the following functionality:

- different account types with relationships between accounts, for example if we had a Healthcare application, a Doctor could have multiple patients. The application should demonstrate different roles within its functionality.
- users should be able to add, edit and view records within the system
- the application should consume at least two external data feeds to enhance its core functionality, for example if the application was a news application you could consume information for multiple social media sites and create a unique experience through your application. This is typically referred to as a mashup application
- an integrated search functionality should be included
- the application should be deployed to a suitable Platform as a Service. The deployed platform should be justified within the supporting documentation.
- the application should be constructed using suitable design patterns

***NOTE: The demonstration of your project is a requirement to pass the module, failure to demonstrate your project will result in a mark of zero being awarded for the module.***

# Deliverables

You have to submit the following deliverables through Moodle:

- Source code of the application (the source code should contain comments to demonstrate your understanding of the code)
- Documentation for the project identifying the strategy that was implemented for the completion of the project. To document your project use the project report template available on Moodle.

In addition you are required to:

- Demonstration: present your project on the scheduled presentation day

## Requirements and Assessment Criteria

- **20%: Interim project report.** Documentation for the project identifying the strategy that was implemented to complete the project. The report should include a project proposal, Specification Requirements, Story board of User Interfaces. Template provided on Moodle.
- **80%:** Final Product submission and presentations. Document to include final technical report highlighting requirements migration and critical analysis of approach followed. Codebase of final product. All students must complete a final viva examination of completed system. Schedule to be organised over Teams.