

2023 Term 1 COIT11226 Assessment 2 Part A – Written Assessment

Due date: Week 3 Friday (24 March 2023) 11:59pm AEST

Weighting: 5%

Length: 500 to 800 words.

Instructions

Complete all tasks and submit the following on Moodle:

- **An MS Word (or PDF) report** containing answers for each task specified in this specification document. The report must include unit code, unit name, student ID, student full name, campus (or distance), lecturer (or tutor), and *word count* on the front cover page.

The above file should be submitted on the unit website

This is an individual assignment, and it is expected that students answer the questions themselves. See CQUniversity resources on Referencing and Plagiarism.

Your Task

Your task in this assessment is project case study evaluation and System Development Methodology selection.

Read the case study in this document and compare and contrast the two methodologies (**adaptive or predictive**) then decide which development methodology will you use to develop this project. You must provide detailed compelling arguments backed by facts from the case study and ICT industry standards for your selected methodology. Make sure the supporting argument makes very good use of examples and references to construct the argument.

Project Case Study:

Community Supported Agriculture (CSA) is taking momentum in many parts of the world. This is to produce ethical, organic fruits, vegetables, dairy, and other products for the local community. The purpose of CSA is to reduce the large distances agricultural products are transported and also engage in environmentally friendly production practices reducing the use of pesticides, and other unethical practices in the treatment of animals.

MelbourneFreshDairy is a dairy producer following the CSA philosophy to produce and supply fresh milk and other dairy products to home. MelbourneFreshDairy was established in 2019 and services the **Melbourne and surrounding areas**. MelbourneFreshDairy produces hormone free milk with no factory farms and supplies to home directly and **distributes through pick up points**.

Even though MelbourneFreshDairy has an existing website, they are interested to re-create. You are invited to create a software application named Melbourne Dairy To Home System (MDHS).

People who want to purchase products through home delivery should **register entering their details**. (It means customer registration form here)

The admin staff who may be the owner or employer of the MelbourneFreshDairy should be able to **add/remove or update products**. (It means product management features here)

Customers can see a **delivery schedule before selecting items** and proceeding to checkout. Products are delivered to home on a weekly basis. Different postcode areas are delivered on different days of the week, for example North Melbourne on Fridays. The delivery cost is fixed for different postcode areas.

Area manage features

Customer details entered during customer registration and customer is given an ID and password. The customer details of the should be written to a database. A Customer logged into the website can create and view the Delivery Schedule. A customer can view a product list.

The Website should also enable Admin functions.

- a) *Enter new product details*
- b) *Enter new Delivery schedule*
- c) *Display product list*
- d) *View list of registered customers*

Note: This case study by no means is comprehensive, therefore students can make assumptions regarding unknown or otherwise ambiguous information in consultation with their instructors.

Assessment Criteria

Tasks	Excellent (>85%)	Good 70-85%	Needs Improvement (50-70%)	Unsatisfactory <50%	Total Mark	Mark awarded	Comment
Methodologies are correctly compared in terms of their use in different cases	The comparison is both comprehensive and insightful and very effective use is made of supporting examples to highlight the main differences.	The comparison highlights the main points and provides a good range of supporting examples which support the arguments.	A comparison between the methods is given but the examples used to support it need to be better chosen or used more effectively.	The details of the two methodologies are provided but there is little or no effective comparison. Examples are not use effectively to build an argument.	2		
A methodology is selected for this project and appropriate arguments are presented supporting the selection.	An appropriate methodology is chosen, and a very clear explanation is given for its selection. The supporting argument makes very good use of examples and references to construct the argument.	An appropriate methodology is chosen, and a good argument is given for its selection. Appropriate examples / references are used to support the case.	An appropriate methodology is chosen for the project, but the justification needs to be improved.	Little if any justification is given for the choice of methodology for the project and/or the methodology is not appropriate	3		

