

# SIT773 Software Requirements and Analysis

## Distinction Task 7.3: Select and Appropriate Life Cycle for a Project

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### Overview

This week, you have learnt about different software development life cycle models including waterfall model, parallel development model, iterative life cycle, evolutionary prototyping, throwaway prototyping, agile development approaches and scrum practices. You also have explored an example based on MCC case study and related life cycle selection.

So far you have identified different requirements of Leckie's Choice (LC) case study through the completion of different tasks. Three high level requirements which have been identified are: 1. Enable online order submission 2. Maintain customer loyalty and promotion 3. Enable customer profiling and purchase history

The above high level requirements are related to several departments of LC such as sale, inventory, marketing and supply department. Company's future plan is to implement a system that seamlessly integrate the above departments.

At this stage of requirement analysis, it is very hard to reach a consensus since most of these departments of LC currently are manually operated. Within LC, individuals have distinct views, therefore current picture of requirements is subjective.

Majority of users of the system are contractor customers and LC's staff who are familiar with the platform or operating environment. It is not much clear how the business processes in the proposed system would affect the current working practices of LC staff member of different sections.

In this task, you will select a life cycle for \_Leckie's Choice (LC)\_ and prepare a report based on that.

### Submission Details

Submit the following files to OnTrack: - Submit your life cycle selection report based on the given instruction below.

### Instructions

1. Review the articles that are related to this task, specifically articles 7.1 to 7.9 in week 7.
2. Read LC's case study as per tasks 1.1, 1.2, 3.2, 4.1 and 5.1 as well as the scenario described above.
3. Explain your observation based on uncertainty of requirements for LC's case study for selection of a life cycle of the project.

4. Explain your observation based on process uncertainty, company's expectations and their impact on requirement change for LC's case study for selection of a life cycle of the project. Assume company has the technological expertise and experience to create the system according to the high-level requirements.
5. Select a life cycle for LC's case study and explain the reason why you have selected this life cycle. Consider requirement and process uncertainties, advantages, risks and capabilities as the primary focus areas in your explanation.
6. You also need to identify the second most appropriate life cycle for LC's case study and provide explanation based on the items 1 to 5 above.
7. Identify a life cycle which is least suitable for LC's case study and justify your assessment.
8. Prepare a report based on the items 1 to 7.
9. Submit your report to OnTrack.