

Exercise url: <https://github.com/DarCyStorm/SOEN-6841-Course/tree/main/Excercise>

4.1

Find out all the reasons why risk management in the iterative development models is different compared to the traditional waterfall model.

To start with this question, there is a little unbalanced comparing risk management between waterfall and agile model solutions and it is because of the true definition of these two models. In the waterfall model, the main goal is to plan everything and start from one point and end at another point which is the final project. It is a one-way system which can cause misunderstanding with risk management meaning because till the end of the project, you can not investigate all aspects of the project so managers should go with predictions. Also, it mentioned in the course textbook that “Using a waterfall model to execute your project is a big risk. It is because the outcome of the project (the software product) is ready only after the whole project is completed after a prolonged period.” On the other hand, when you want to manage the risks of a project in an iterative model you can do it in different aspects. So the main reason for the difference in risk management approaches are different in these two models is the difference between steps within these two models. Also, another reason is the needs of managers. A manager may choose to use the waterfall approach for various reasons like a manager wants to build a district-fixed requirements project for a governmental organization, so the risks that may happen will be different with a manager who wants to build a simple iterative model for a food company.