

# Agile assignment

## 1. Refactor in agile

Refactoring is the approach revolves around changing the design and structure of the code so that the software's external behaviour does not get affected. The objective of refactoring is to improve the design of existing code to make it clean and understandable.

### Benefits of refactoring:

- Easy maintenance.
- Facilitates faster time to market.
- Improves code readability.
- Reduce memory consumption.

## 2. Test driven development (TDD)

Test driven development starts with developing test for each one of the features the test might fails as the test are developed even before the development team that develops and re factors the code to pass the test.

It is used to create a rapid cycle of development through testing coding and refactoring.

## 3. work breakdown structure

Backup breakdown structure is a key element for management planning monitoring and control of a project or a program scope regardless of chosen life cycle (predictive, iterative, incremental, adaptive or hybrid), WBS plays a role in almost every project.

A WBS is important to further estimation-cost duration, resource, planning for resource, risk identification, schedule development among others.