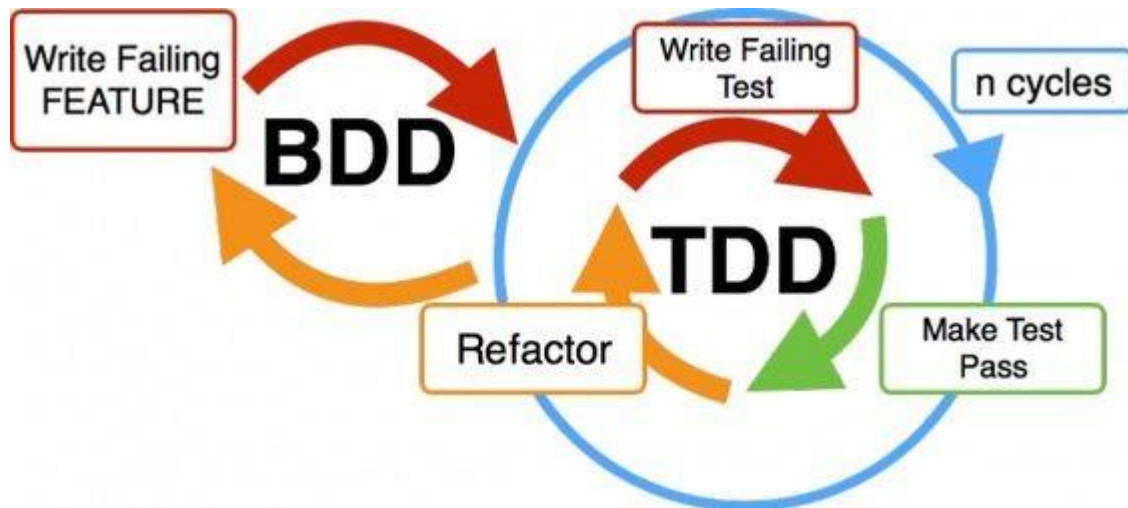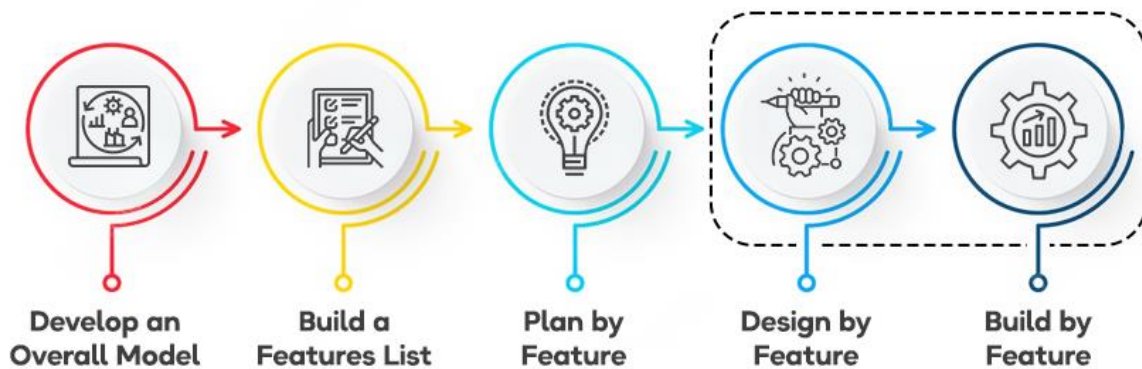# Assignment 2

Produce a comparative infographic of TDD, BDD, and FDD methodologies. Illustrate their unique approaches, benefits, and suitability for different software development contexts. Use visuals to enhance understanding.

FEATURE DRIVEN DEVELOPMENT (FDD) PROCESS

TDD:

- TDD is a test case driven approach where the test cases were written to the individual features in project requirement.
- Here we already know the cases where the code can fail so we write the code accordingly to pass the test cases.

Advantages of TDD:

- o Faster debugging

o   Modularity
o   Less chances of errors

BDD:

- BDD is a behaviour driven development.
- It focuses on the communication and understanding of the project to all the teams in the project like business analyst, product analyst, developer, testing.
- It uses a common language gherkin.
- It focuses on whether the software is developed as per the client requirement or not.
- The main focus of the BDD is customer requirement satisfaction.

Advantages of BDD:

o   Early defects detections.
o   Team collaboration.
o   Better requirement understanding.

FDD:

- FDD is a Features Driven Development.
- It is an iterative incremental software development methodology.
- In FDD, the software product is developed feature by feature in an incremental approach.
- Focuses on developing the working software with the feature that satisfy the client needs.

Advantages of FDD:

o   All the required features taken as a list.
o   Every feature will be assigned to a team.