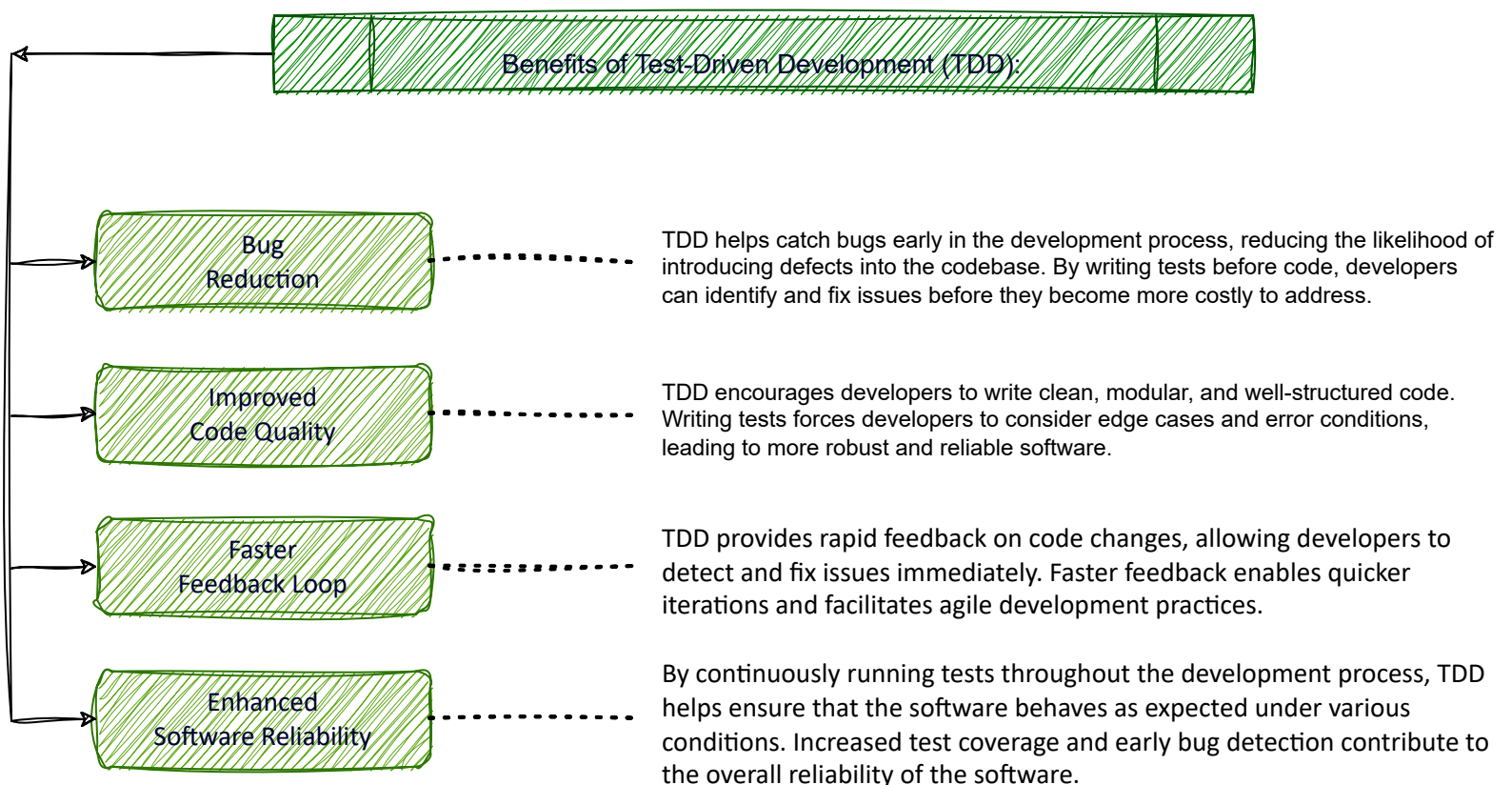
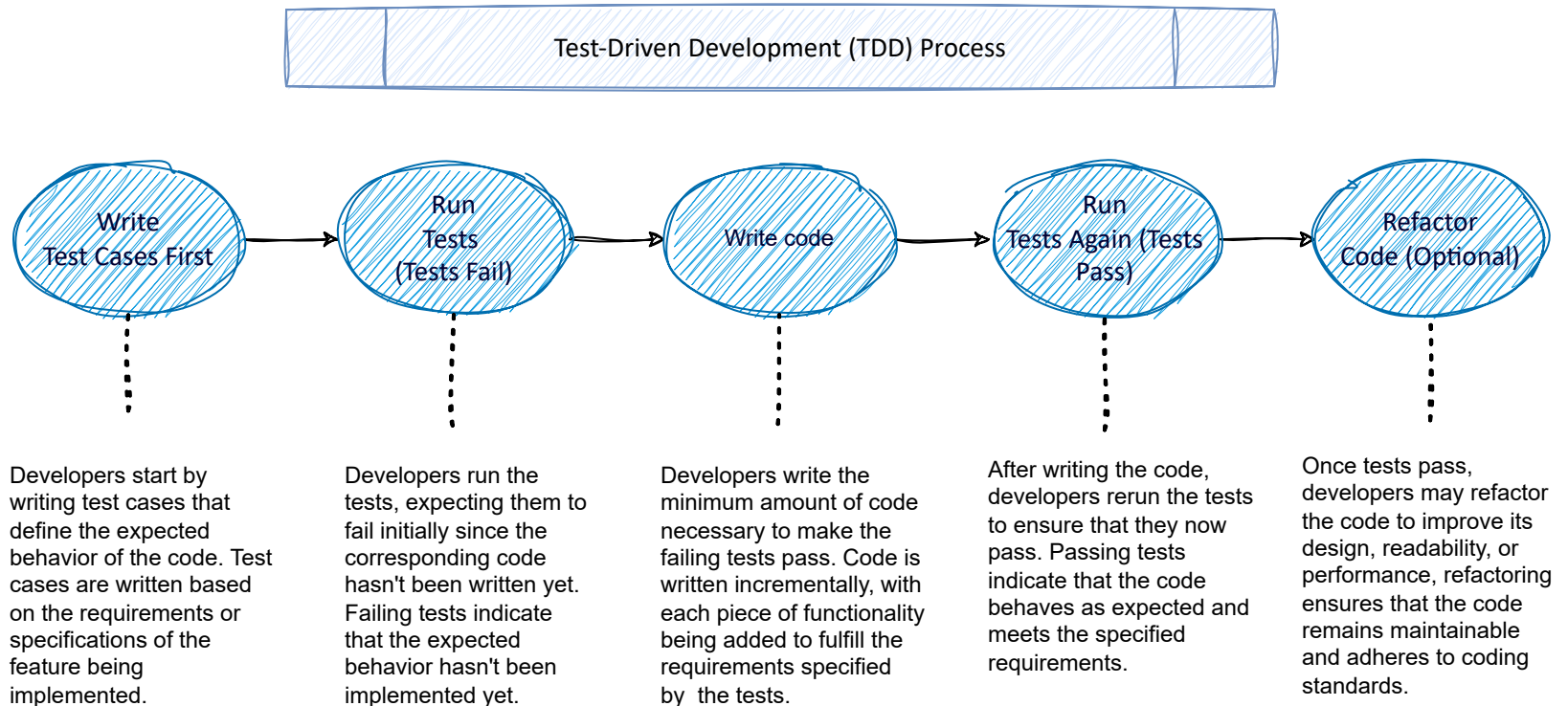


## DAY - 3

### Assignment 1:

Create an infographic illustrating the Test-Driven Development (TDD) process. Highlight steps like writing tests before code, benefits such as bug reduction, and how it fosters software reliability.

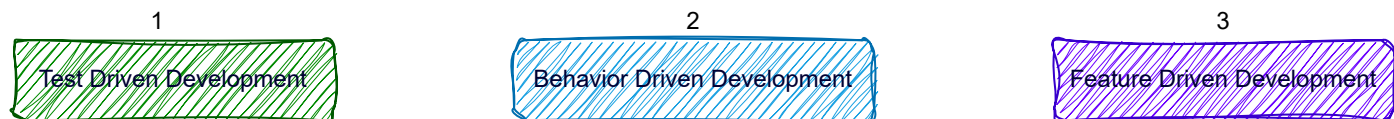


## DAY - 3

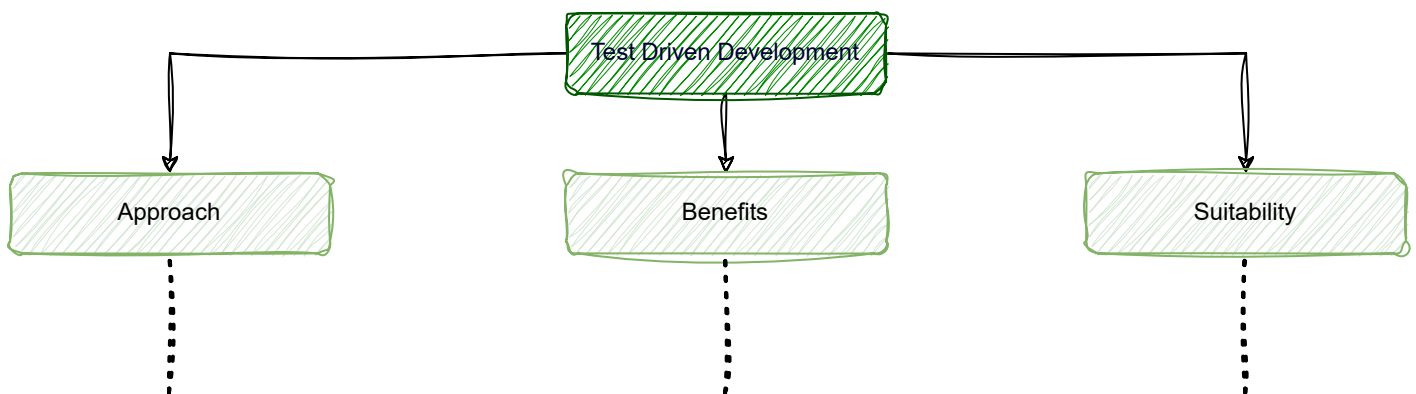
### Assignment 2:

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.

There are three comparative analysis of Software Development Methodologies they are



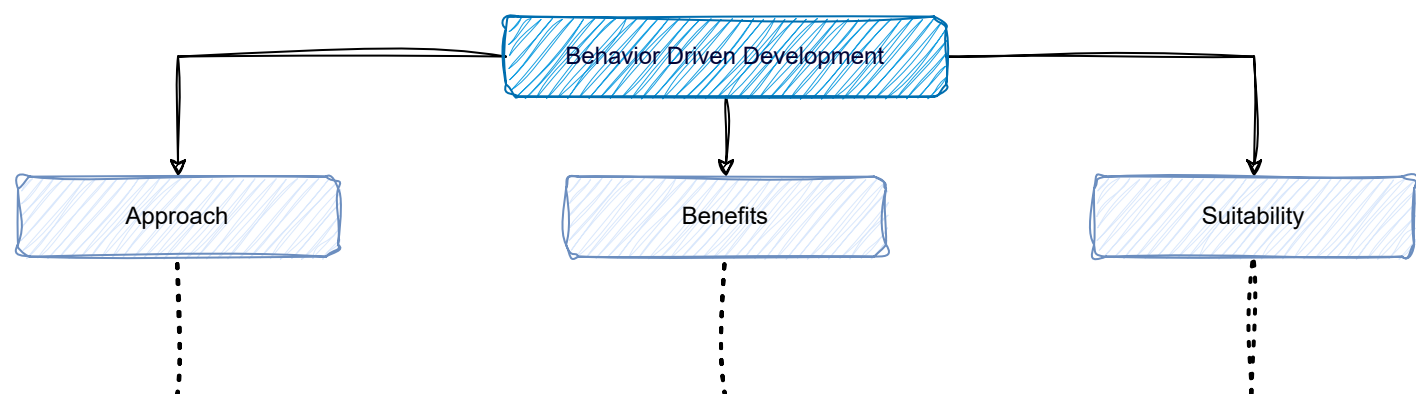
We can see the approach, benefits, and suitability for each of the driven development methodologies



Write tests before writing code. Focus on small, incremental development cycles. Tests serve as specifications for the code.

Early bug detection and reduction. Improved code quality and maintainability. Faster feedback loop and increased developer confidence.

Ideal for projects with well-defined requirements. Suitable for projects where code quality and reliability are critical. Effective for teams practicing Agile or iterative development.



Define behavior using natural language specifications. Collaboration between developers, QA, and stakeholders. Automated scenarios serve as both documentation and tests.

Shared understanding between stakeholders. Aligns development with business goals. Encourages collaboration and communication.

Suitable for projects with complex or changing requirements. Ideal for teams with diverse skill sets and stakeholders. Effective for ensuring that software meets user expectations.

