**Assignment-3**  
**Summary of Software Development Methodologies**

**Domain-Driven Design (DDD):**  
This approach to software development emphasizes a deep understanding of the business domain. The main goal is to build systems that accurately reflect domain logic, resulting in applications that are structured, maintainable, and aligned with real-world needs.

**Test-Driven Development (TDD):**  
TDD is a coding technique where developers begin by writing test cases that initially fail. They then write just enough code to make the tests pass, followed by refactoring for optimization. This ensures higher code quality and reliability from the start.

**Behavior-Driven Development (BDD):**  
An Agile methodology that centers on the expected behavior of the software from the user's perspective. It bridges the gap between technical teams and non-technical stakeholders by focusing on how users interact with the system.

**Feature-Driven Development (FDD):**  
FDD is an Agile-based method focused on building and delivering software features that address specific customer needs. Development is planned and organized around these small, client-valued functions to ensure continuous progress and satisfaction.