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.

Comparative Analysis of Software Development Methodologies

	Test-Driven Development (TDD)	**Behavior-Driven Development (BDD)**	**Feature-Driven Development (FDD)**
Approach	Writing Tests First	Focus on Behavior	Feature-Centric
	Iterative Process	Collaborative Process	Five Phases: Develop OverallModel, Build Features by Feature, Plan by Feature, Design by Feature, Build by Feature
Benefits	Higher Code Quality	Improved Communication	Scalability
	Faster Debugging	Clearer Understanding	Predictability
Suitability	Best for: Small to medium-sized projects	Best for: Projects with complex business logicand requirements	Best for: Large projects with multiple teams and complexfeature sets
	Programming Languages: Suitable for most languages	Domain-Specific Languages:	Structured Approach:Requires a structured

		Usesdomain-specific languages	approach to project management
	Team Size: Works well with small to medium-sized teams	Team Collaboration: Requires strong collaboration between	Team Coordination: Workswell with larger teams andmultiple development streams