**Assignment 5: Comparative Infographic (TDD, BDD, FDD)**

| Feature | Test-Driven Development (TDD) | Behavior-Driven Development (BDD) | Feature-Driven Development (FDD) |
| --- | --- | --- | --- |
| **Core Focus** | Unit-level testing drives design. | Defining behavior using shared language drives development. | Building software feature by feature in short iterations. |
| **Testing Emphasis** | Unit tests written *before* code. | Acceptance tests (scenarios) written collaboratively. | Testing integrated after feature design. |
| **Language** | Technical terms (developer-focused). | Business-readable language (e.g., Gherkin). | User-centric language (features defined from user perspective). |
| **Collaboration** | Primarily within the development team. | Strong emphasis on collaboration with non-technical stakeholders. | Focus on team roles and communication around features. |
| **Scope** | Primarily at the code component level. | Focuses on user stories and acceptance criteria. | Project-wide, organized around features. |
| **Best Suited For** | Complex logic, ensuring code quality. | Clear requirements, strong stakeholder involvement, acceptance testing. | Large projects, well-defined features, structured process. |
| **Key Benefit** | Improved code quality and reduced bugs. | Enhanced communication and shared understanding. | Scalability and predictable delivery. |