ID: 27381

ASSIGNMENT 3

Write a short summary for each of these methodologies: Development Methodologies: DDD, TDD, BDD, FDD.

1. **DDD (Domain-Driven Design):**  
   Focuses on understanding the business deeply and building software that matches how the business works. Developers and business experts work closely together to speak the same language.

Example: If you're making an app for a bank, you use words like **Account**, **Deposit**, and **Balance** in your code — just like the bank does.

1. **TDD (Test-Driven Development):**  
   Write tests first, then write code to pass those tests. It helps catch problems early and keeps the code clean and working well.

Example: Write a test that says *“2 + 3 should be 5”*, then write a function that makes that true.

1. **BDD (Behavior-Driven Development):**  
   Write tests in plain language that anyone can understand, focusing on what the user wants the software to do. It helps developers and non-tech people work better together.

You describe how the app should behave using simple, everyday language — like writing a user story.

Example: *"If I type the right password, I should be logged in."* — that’s your test, and it guides your code.

1. **FDD (Feature-Driven Development):**  
   Breaks the project into small features (like tasks) and builds each one step by step. It’s all about making regular progress with clear, useful results.

You break the app into small features, like “Add to cart” or “Search for product,” and build them one by one.

Example: Finish the **“Add item to cart”** feature first, make sure it works, then move on to the next feature.