

Assignment:

Difference between TDD and BDD.

TDD (Test-Driven Development):

- Write tests before writing code.
- Focus on unit testing.
- Drives code design.

BDD (Behavior-Driven Development):

- Write tests before writing code.
- Focus on system behavior from stakeholders' perspective.
- Tests written in natural language format (Given-When-Then).
- Emphasizes collaboration between developers, QA, and non-technical stakeholders.

	TDD	BDD
Scope	Tests the smaller parts of software functionality to evaluate code in isolation	Tests the end-to-end behavior of the application from the perspective of the end-user
Definition	Is an Agile technical practice	Is an Agile team methodology
Method	Is a traditional approach to software testing. TDD only involves the development team	Is a more collaborative approach to testing. It involves key stakeholders
Outcome and Language	TDD's outcome is only relevant and understandable by programmers and other members of the development team	BDD is more accessible to non-techies since it uses English for documentation

Write a scenario for booking and transfer funds.

Here is a scenario for booking and transferring funds:

A customer wants to book a flight from Pune to Hyderabad. They go to the airline's website and enter their travel dates. The website shows them a list of available flights, and the customer selects the one they want.

The customer then enters their personal information and payment details. Once the payment is processed, the customer receives a confirmation email with their flight details.

The customer then needs to transfer funds from their checking account to their savings account. They log into their bank's website and navigate to the transfer funds page. They enter the amount they want to transfer and the account numbers for both accounts.

The bank then transfers the funds, and the customer receives a confirmation email.

Here is a more detailed breakdown of the steps involved in booking and transferring funds:

1. The customer goes to the airline's website and enters their travel dates.
2. The website shows the customer a list of available flights.
3. The customer selects the flight they want and enters their personal information and payment details.
4. The customer receives a confirmation email with their flight details.
5. The customer logs into their bank's website and navigates to the transfer funds page.
6. The customer enters the amount they want to transfer and the account numbers for both accounts.
7. The bank transfers the funds and the customer receives a confirmation email.