# Day 8 – BDD Scenarios without Cucumber

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Name: Abdul Samad

## Introduction:

On Day-7, the browsing history feature was added using LinkedList. On Day-8, I focused on Behavior-Driven Development (BDD) scenarios to improve testing. Instead of using Cucumber, I implemented lightweight alternatives with JUnit 5 and a custom feature file parser to simulate BDD-style testing.

## Activities Performed:

- Created a feature file representation: SearchQuiz.feature.  
- Defined scenario: Student searches for a quiz by title.  
- Implemented a simple parser to read steps from the feature file.  
- Used JUnit 5 to map Given-When-Then steps into test cases.  
- Deliverable: Tests executed and passed successfully.

## Example Scenario:

Scenario: Student searches for a quiz by title  
Given the platform has a quiz titled 'Java Basics'  
When the student searches for 'Java Basics'  
Then the system shows 'Java Basics' with quiz details

## Testing and Results:

- Ran the JUnit test cases simulating BDD.  
- Verified that searching for 'Java Basics' returned the correct quiz.  
- Verified that searching for a non-existent quiz displayed 'Quiz not found'.  
- All test cases passed successfully.

## Conclusion:

On Day-8, I successfully introduced BDD-style scenarios using JUnit and a lightweight feature file parser, without relying on external tools like Cucumber. This ensures maintainability and provides readable test cases that follow the Given-When-Then format.