**Noman Khan**

**BDD User Story for a Calculator**

**Title**: Basic Calculator Functions

**Narrative**:

**As a** user

**I want** to use a calculator to perform basic arithmetic operations (addition, subtraction, multiplication, division)

**So that** I can easily calculate results without manual computation

**Feature**: Basic Calculator Functions

As a user

I want to use a calculator to perform basic arithmetic operations

So that I can easily calculate results without manual computation

Task 1: **Addition**

Given I have a calculator

When I add 5 and 3

Then the result should be 8

Task 2: **Subtraction**

Given I have a calculator

When I subtract 3 from 5

Then the result should be 2

Task 3: **Multiplication**

Given I have a calculator

When I multiply 5 and 3

Then the result should be 15

Task 4: **Division**

Given I have a calculator

When I divide 6 by 3

Then the result should be 2

Task 5: **Division by Zero**

Given I have a calculator

When I divide 6 by 0

Then an error should be displayed indicating division by zero is not allowed

Task 6: Handling Non-Numeric Inputs

Given I have a calculator

When I input 'a' and 3 for addition

Then an error should be displayed indicating invalid input