# Calculator Test Cases

## TC\_CALC\_001

\*\*Description:\*\* Validate number input buttons

\*\*Preconditions:\*\* Calculator page is loaded

\*\*Test Steps:\*\*

1. 1. Click on 7
2. 2. Click on 2

\*\*Expected Result:\*\* Display shows 72

## TC\_CALC\_002

\*\*Description:\*\* Validate addition functionality

\*\*Preconditions:\*\* Calculator page is loaded

\*\*Test Steps:\*\*

1. 1. Click 5
2. 2. Click +
3. 3. Click 3
4. 4. Click =

\*\*Expected Result:\*\* Display shows 8

## TC\_CALC\_003

\*\*Description:\*\* Validate subtraction functionality

\*\*Preconditions:\*\* Calculator page is loaded

\*\*Test Steps:\*\*

1. 1. Click 9
2. 2. Click -
3. 3. Click 4
4. 4. Click =

\*\*Expected Result:\*\* Display shows 5

## TC\_CALC\_004

\*\*Description:\*\* Validate multiplication functionality

\*\*Preconditions:\*\* Calculator page is loaded

\*\*Test Steps:\*\*

1. 1. Click 6
2. 2. Click ×
3. 3. Click 7
4. 4. Click =

\*\*Expected Result:\*\* Display shows 42

## TC\_CALC\_005

\*\*Description:\*\* Validate division functionality

\*\*Preconditions:\*\* Calculator page is loaded

\*\*Test Steps:\*\*

1. 1. Click 8
2. 2. Click ÷
3. 3. Click 2
4. 4. Click =

\*\*Expected Result:\*\* Display shows 4

## TC\_CALC\_006

\*\*Description:\*\* Validate clear (CE) button

\*\*Preconditions:\*\* Some number is entered

\*\*Test Steps:\*\*

1. 1. Click 3
2. 2. Click 2
3. 3. Click CE

\*\*Expected Result:\*\* Display is cleared and shows 0

## TC\_CALC\_007

\*\*Description:\*\* Validate backspace (←) functionality

\*\*Preconditions:\*\* A number is entered

\*\*Test Steps:\*\*

1. 1. Click 9
2. 2. Click 5
3. 3. Click ←

\*\*Expected Result:\*\* Display shows 9

## TC\_CALC\_008

\*\*Description:\*\* Validate decimal point input

\*\*Preconditions:\*\* Calculator is ready

\*\*Test Steps:\*\*

1. 1. Click 1
2. 2. Click .
3. 3. Click 5

\*\*Expected Result:\*\* Display shows 1.5

## TC\_CALC\_009

\*\*Description:\*\* Validate division by zero

\*\*Preconditions:\*\* Calculator is ready

\*\*Test Steps:\*\*

1. 1. Click 6
2. 2. Click ÷
3. 3. Click 0
4. 4. Click =

\*\*Expected Result:\*\* Display shows error or Infinity

## TC\_CALC\_010

\*\*Description:\*\* Validate history record functionality

\*\*Preconditions:\*\* One or more operations have been performed

\*\*Test Steps:\*\*

1. 1. Perform a calculation (e.g., 2 + 2 =)
2. 2. Click on History icon

\*\*Expected Result:\*\* History box displays the performed calculation (2 + 2 = 4)