

Tung Hoi Man - Unit Tests

The module and the functional testing:

In the post module. The function of creating a new post.

Inputs: title: string, rate: float

Forming equivalence classes:

Equ. Class	Description	Possible Values
$EC_{T, \geq 3}$	Title has 3 or more characters (no space)	ASCII characters
$EC_{T, error}$	Invalid title. Less than 3 characters or 3 characters with at least one space.	" ", "xx, x" "x, x" "
$EC_{R, empty}$	Rate is empty	" "
$EC_{R, \geq 0}$	Rate is a positive number	0, 1, 2.5,
$EC_{R, error}$	Invalid rate input	Rate < 0

Derive test cases (for valid inputs):

Equ. Class	Input		Expected Output
	Title	Rate	
$EC_{T, \geq 3}$ and $EC_{R, empty}$	abc	" "	Title="abc", rate=0.0
$EC_{T, \geq 3}$ and $EC_{R, \geq 0}$	abcd	2.5	Title="abcd", rate=2.5

Derive test cases (for invalid inputs):

Equ. Class	Input		Expected Output
	Title	Rate	
$EC_{T, error}$ and $EC_{R, empty}$	" "	" "	Error
$EC_{T, error}$ and $EC_{R, \geq 0}$	a b	5	Error
$EC_{T, \geq 3}$ and $EC_{R, error}$	abc	-1	Error
$EC_{T, error}$ and $EC_{R, error}$	ab	-1	Error