

Tangni Wang - Unit Tests

The module and the functional testing:

In the post module. The function of editing a post.

Inputs: title: string, addpic: file_field

Forming equivalence classes:

Equ. Class	Description	Possible Values
EC _{T, empty}	Title cannot be blank.	ASCII characters
EC _{T, >=3}	Title cannot have 3 or more characters.	ASCII characters
EC _{T, error}	Invalid title for when less than 3 characters or have more than one space “ ”	“XXX”, “ XX X”, “????”
EC _{A, empty}	Image file is empty.	“”
EC _{A, jpg/png}	Asset content type is invalid when file is not a picture.	“.jpg”, “.png”, “.pdf”
EC _{A, error}	Invalid input	“.mp4”, “.doc”, “.exc”

Derive test cases (for valid inputs):

Equ. Class	Input		Expected Output
	Title	Addpic	
EC _{T, >=3} and EC _{A, empty}	XXX		T= “XXX” A= “current file uploaded”
EC _{T, >=3} and EC _{A, jpg/png}	XXXX	.jpg	T= “XXX” A= “.jpg”

Derive test cases (for invalid inputs):

Equ. Class	Input		Expected Output
	Title	Addpic	
EC _{T, error} and EC _{A, empty}	“X”	“”	Error Message
EC _{T, error} and EC _{A, jpg.png}	“ ”	.jpg	Error Message

$EC_{T, \geq 3}$ and $EC_{A, error}$	“XXX”	.mp4	Error Message
$EC_{T, error}$ and $EC_{A, error}$	“X”	.mp4	Error Message