

Use case: Create PC Project and Add PC parts.

#### Value Specification for Create PC Project

Value	Type	Value Specifications	Valid	Invalid	Exceptional Cases
PC Project Name	String	Length must be between 1 and 40 characters.	PC project name meets value specification and doesn't match existing project name for user	PC project name doesn't meet value specification or matches an existing project name for the user	<ul style="list-style-type: none"><li>• Strings with length of 0, or over 40 characters</li><li>• Strings with one character that has a special character other than "_"</li></ul>

#### Test Cases for Create PC Project:

Test Case	PC Project Name	Excepted Outcome
1	Valid	Show the PC project user creates on the PC Project page
2	Invalid	Show error message
3	Exceptional	Show error message

#### Concrete test cases for Create PC Project:

Test Case	PC Project Name	Excepted Result
1	"F"	Show the PC project user creates on the PC Project page
1.a	"This PC Project Name - has maximum length"	Show the PC project user creates on the PC Project page
2	"This PC Project Name xxxxxxxx is too long"	Show error message
3	" "	Show error message
3.a	"PC Project Name has special character \$"	Show error message

3.b	“This PC Project Name xxxxxxxxxxxxxxxxxxxxxxxxxxxx is exceptionally long”	Show error message Show error message
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Value Specification for Add PC parts

Value	Type	Value Specifications	Valid	Invalid	Exceptional Cases
On Add Part button click	Boolean	User must click the Add PC part button to add a PC Part	Add Part meets value specifications	Add Part doesn't meet value specifications	<ul style="list-style-type: none"> <li>Button is clicked multiple times in rapid succession, causing the value to be null</li> <li>Request cannot be processed due to network failure or server error</li> </ul>

Test Cases for Add PC parts:

Test Case	PC Part	Expected Outcome
1	Valid	Show PC part is added to the PC project
2	Invalid	Error message
3	Exceptional	Error message

Concrete test cases for Add PC parts:

Test Case	PC Part	Expected Result
1	true	Show “PC part added successfully to your project” message
2	false	Show error message
3	null	Show error message

