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| **Test Scenario** | **Test Cases** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| Posts 1: Title Length | Test Case 1: Length less than minimum required | postTitle = “abcdefghi” | **False**  (Title is invalid) | **False**  (Title is invalid) | Pass |
| TC2: Length edge case within minimum required | postTitle = “abcdefghij” | **True**  (Title is valid) | **True**  (Title is valid) | Pass |
| TC3: Length edge case within maximum required (250 character length) | postTitle = “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi. Nulla quis sem at nibh elementum imperdiet. Duis sagittis ipsum. Praesent mauris. Fusce nec tellus sed augue semper porta. Mauris massa.” | **True**  (Title is valid) | **True**  (Title is valid) | Pass |
| TC4: Length more than required (251 character length) | postTitle = “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi. Nulla quis sem at nibh elementum imperdiet. Duis sagittis ipsum. Praesent mauris. Fusce nec tellus sed augue semper porta. Mauris massai.” | **False**  (Title is invalid) | **False**  (Title is invalid) | Pass |
| Posts 2: Title Special Character/ Number in first 5 characters | TC1: Number in first five letters | postTitle = “ab1cdefghijk” | **False**  **(**Title is invalid) | **False**  **(**Title is invalid) | Pass |
| TC2: Number as 6th character in title | postTitle = “abcde1fghijk” | **True**  (Title is valid) | **True**  (Title is valid) | Pass |
| TC3: Special character in first 5 characters | postTitle = “abcd!fghijk” | **False**  (Title is invalid) | **False**  (Title is invalid) | Pass |
| TC4: Special character as 6th character | postTitle = “abcde!fghijk” | **True**  (Title is valid) | **True**  (Title is valid) | Pass |
| Posts 3: “Easy” difficulty posts must have up to 2 or 3 tags | TC1: Assign 1 Tags to post | postTags = {“tag1”}  postTypes = “Easy” | **False**  (Not enough tags) | **False**  (Not enough tags) | Pass |
| TC2: Assign 2 tags to post | postTags = {“tag1”, “tag2”}  postTypes = “Easy” | **True**  **(**Valid amount of tags) | **True**  **(**Valid amount of tags) | Pass |
| TC3: Assign 3 tags to post | postTags = {“tag1”, “tag2”, “tag3”}  postTypes = “Easy” | **True**  (Valid amount of tags) | **True**  (Valid amount of tags) | Pass |
| TC4: Assign 4 tags to post | postTags = {“tag1”, “tag2”, “tag3”, “tag4”}  postTypes = “Easy” | **False**  (Too many tags) | **False**  (Too many tags) | Pass |
| Posts 4: “Very difficult” (VD) and “Difficult” (DI) Posts must have at least 300 character bodies. | TC1: VD with 300 character long body | postBody = “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus lacinia odio vitae vestibulum vestibulum. Cras vehicula lectus vel risus bibendum, a elementum orci pharetra. Integer et eros ac urna facilisis hendrerit at nec odio. Nullam tincidunt quam et dolor varius, et aliquam tem sapien auctu”  postType = “Very Difficult” | **True**  **(**Valid Length body) | **True**  **(**Valid Length body) | Pass |
| TC2: VD with 299 character long body | postBody = “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus lacinia odio vitae vestibulum vestibulum. Cras vehicula lectus vel risus bibendum, a elementum orci pharetra. Integer et eros ac urna facilisis hendrerit at nec odio. Nullam tincidunt quam et dolor varius, et aliquam sapien auct”  postType = “Very Difficult” | **False**  (Body does not meet minimum length) | **False**  (Body does not meet minimum length) | Pass |
| TC3: DI with 300 character long body | postBody = “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus lacinia odio vitae vestibulum vestibulum. Cras vehicula lectus vel risus bibendum, a elementum orci pharetra. Integer et eros ac urna facilisis hendrerit at nec odio. Nullam tincidunt quam et dolor varius, et aliquam sapien auctu”  postType = “Difficult” | **True**  (Valid length body) | **True**  (Valid length body) | Pass |
| TC4: DI with 299 character long body | postBody = “Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus lacinia odio vitae vestibulum vestibulum. Cras vehicula lectus vel risus bibendum, a elementum orci pharetra. Integer et eros ac urna facilisis hendrerit at nec odio. Nullam tincidunt quam et dolor varius, et aliquam sapien auct”  postType = “Difficult” | **False (**Body does not meet minimum length) | **False (**Body does not meet minimum length) | Pass |
| Posts 5: Tags character length | TC1: Length of 1 | postTags = {“a”, “tag2”} | **False**  (Too short) | **False**  (Too short) | Pass |
| TC2: Length of 2 | postTags = {“ab”, “tag2”} | **True**  (Valid length) | **True**  (Valid length) | Pass |
| TC3: Length of 10 | postTags = {“abcdefghij”, “tag2”} | **True**  (Valid length) | **True**  (Valid length) | Pass |
| TC4: Length of 11 | postTags = {“abcdefghijk”, “tag2”} | **False**  (Too long) | **False**  (Too long) | Pass |
| Posts 6: “Difficult” (DI) can have 2 to 5 tags | TC1: DI with 1 tags | postTags = {“tag1”}  postType = “Difficult” | **False**  (Invalid amount of tags) | **False**  (Invalid amount of tags) | Pass |
| TC2: DI with 2 tags | postTags = {“tag1”, “tag2”}  postType = “Difficult” | **True**  (Valid amount of tags) | **True**  (Valid amount of tags) | Pass |
| TC3: DI with 5 tags | postTags = {“tag1”, “tag2”, “tag3”, “tag4”, “tag5”}  postType = “Difficult” | **True**  (Valid amount of tags) | **True**  (Valid amount of tags) | Pass |
| TC4: DI with 6 tags | postTags = {“tag1”, “tag2”, “tag3”, “tag4”, “tag5”, “tag6”}  postType = “Difficult” | **False**  (Invalid amount of tags) | **False**  (Invalid amount of tags) | Pass |
| Posts 7: “Very Difficult” (VD) can have 2 to 5 tags | TC1: VD with 1 tags | postTags = {“tag1”}  postType = “Very Difficult” | **False**  (Invalid amount of tags) | **False**  (Invalid amount of tags) | Pass |
| TC2: VD with 2 tags | postTags = {“tag1”, “tag2”}  postType = “Very Difficult” | **True**  (Valid amount of tags) | **True**  (Valid amount of tags) | Pass |
| TC3: VD with 5 tags | postTags = {“tag1”, “tag2”, “tag3”, “tag4”, “tag5”}  postType = “Very Difficult” | **True**  (Valid amount of tags) | **True**  (Valid amount of tags) | Pass |
| TC4: VD with 6 tags | postTags = {“tag1”, “tag2”, “tag3”, “tag4”, “tag5”, “tag6”}  postType = “Very Difficult” | **False**  (Invalid amount of tags) | **False**  (Invalid amount of tags) | Pass |
| Comments 1: First character must be uppercase | TC1: Uppercase first character | comment = “Testing uppercase first word” | **True**  (Valid comment case) | **True**  (Valid comment case) | Pass |
| TC2: Lowercase first character | comment = “testing lowercase first word” | **False**  (Invalid comment case) | **False**  (Invalid comment case) | Pass |
| Comments 2: Have at least 4 words | TC1: 4 words in comment | comment = “Testing amount of words” | **True**  (Valid comment word count) | **True**  (Valid comment word count) | Pass |
| TC2: 3 words in comment | comment = “Testing word count” | **False**  (Invalid comment word count) | **False**  (Invalid comment word count) | Pass |
| Comments 3: Have at most 10 words | TC1: 10 words in comment | comment = “One two three four five six seven eight nine ten” | **True**  (Valid comment word count) | **True**  (Valid comment word count) | Pass |
| TC2: 11 words in comment | comment = “One two three four five six seven eight nine ten eleven” | **False**  (Invalid comment word count) | **False**  (Invalid comment word count) | Pass |
| Comments 4: “Easy” / “Ordinary” Posts can have a 0-3 comments | TC1: 3 comments | comment1 = “This is comment one”  comment1 = “This is comment two”  comment1 = “This is comment three”  postType = “Easy”  postEmergency = “Ordinary” | **True**  (Valid comment amount) | **True**  (Valid comment amount) | Pass |
| TC2: 4 comments | comment1 = “This is comment one”  comment2 = “This is comment two”  comment3 = “This is comment three”  comment4 = “This is comment four”  postType = “Easy”  postEmergency = “Ordinary” | **False**  (Invalid comment amount) | **False**  (Invalid comment amount) | Pass |
| Comments 5: “Difficult” Posts can have 0-5 comments | TC1: 5 comments | comment1 = “This is comment one”  comment2 = “This is comment two”  comment3 = “This is comment three”  comment4 = “This is comment four”  comment5 = “This is comment five”  postType = “Difficult”  postEmergency = “Highly Needed” | **True**  (Valid comment amount ) | **True**  (Valid comment amount ) | Pass |
| TC2: 6 comments | comment1 = “This is comment one”  comment2 = “This is comment two”  comment3 = “This is comment three”  comment4 = “This is comment four”  comment5 = “This is comment five”  comment6 = “This is comment six”  postType = “Difficult”  postEmergency = “Highly Needed” | **False**  (Invalid comment amount) | **False**  (Invalid comment amount) | Pass |
| Comments 7: “Very Difficult” Posts can have 0-5 comments | TC1: 5 comments | comment1 = “This is comment one”  comment2 = “This is comment two”  comment3 = “This is comment three”  comment4 = “This is comment four”  comment5 = “This is comment five”  postType = “Very Difficult”  postEmergency = “Highly Needed” | **True**  (Valid comment amount ) | **True**  (Valid comment amount ) | Pass |
| TC2: 6 comments | comment1 = “This is comment one”  comment2 = “This is comment two”  comment3 = “This is comment three”  comment4 = “This is comment four”  comment5 = “This is comment five”  comment6 = “This is comment six”  postType = “Very Difficult”  postEmergency = “Highly Needed” | **False**  (Invalid comment amount) | **False**  (Invalid comment amount) | Pass |