SOFTWARE ENGINEERING PROCESS

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Requirements:

1:

- ID :FR1
- TYPE :Functional Requirement
- VERSION :1.0
- DIFFICULTY :Easy
- DESCRIPTION : • When a = 0 or b = 0 the function simplifies to y = f(x) = 0 , or a trivial constant function whose output is 0 for every input. So all the values of 'a' should greater then 1 i.e., a>0
- RATIONALE :a≠0

2:

- ID :FR2
- TYPE :Functional Requirement
- VERSION :1.0
- DIFFICULTY :Easy
- DESCRIPTION : When b = 1 the function simplifies to y = f(x) = $a1^x$ = a1 = a , or a constant function whose output is 'a' for every input. so all the values of b should be greater than 1 i.e.b>1
- RATIONALE :b≠1

3:

- ID :FR3
- TYPE :Functional Requirement
- VERSION :1.0
- DIFFICULTY :Easy
- DESCRIPTION : Since many expressions with negative bases – like $(–1)^3/2$ or $(–4.2)^3/6$ – make no algebraic sense , and since a base of 0 leads to a trivial constant function, we usually add the following restriction to exponential functions: The base b in an exponential function must be positive.
- RATIONALE :b>0