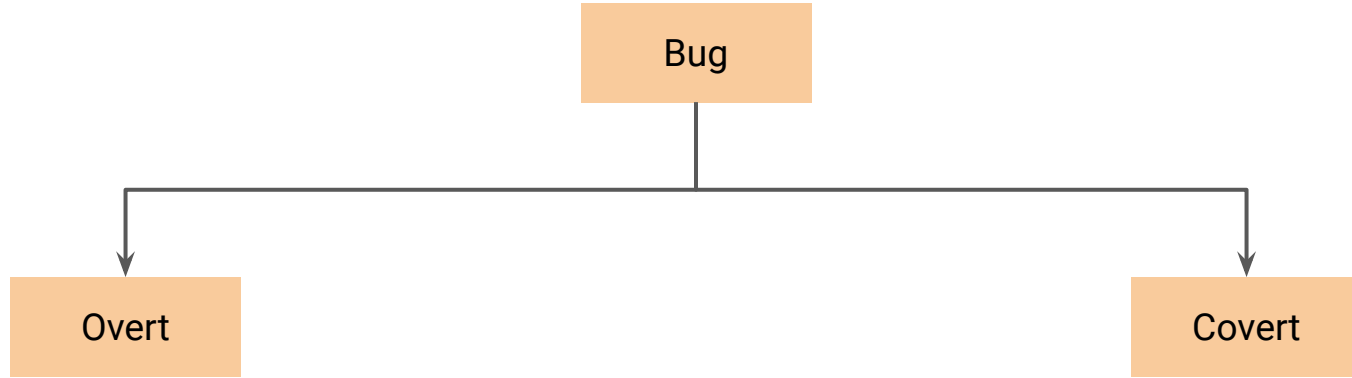


Categories of Bug

Visibility of Bugs



Overt Bugs

Overt bugs are obvious to catch, code crashes or runs forever

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def calculate_factorial(value):  
    """  
    Calculates and returns factorial of the given value  
  
    Parameters:  
    value(int): value for which factorial is to be calculated  
  
    returns(int): the calculated factorial  
    """  
    fact = value * calculate_factorial(value - 1)  
    return fact
```

Covert Bugs

Covert bugs are not obvious to catch, code returns abnormal value

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Implementation of Logic is Flawed

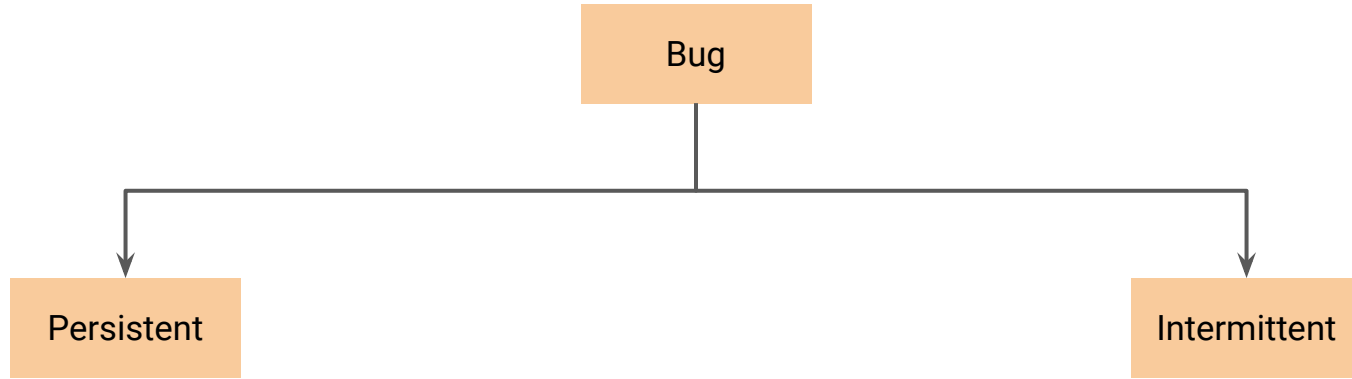
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Implementation of Logic is Flawed

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1 def area_of_circle(radius):  
2     """Calculates area of a circle - pi*radius**2  
3  
4     params:  
5     radius(float): Radius of the circle  
6  
7     returns(float): Area of circle  
8     """  
9     return 3.114*radius**2
```

Consistency of Bugs



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    """  
    returns value if value is positive else returns negative value  
  
    Parameters:  
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    returns(float):absolute of value  
    """  
    if value < 1:  
        return -value  
    else:  
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Thank You