**BUG REPORT TEMPLATE**

**Bug ID**: *bug 001*  
**Reported By**: *Zeyad Mohamed*  
**Date**: 4/19/2025  
**Environment**: *Windows*

**Bug Details**

**Title**: DiscountManager multiplies discount percentage directly instead of applying it correctly  
**Severity**: *Medium*  
**Priority**: *High*

**Steps to Reproduce**

1. *Create a DiscountManager instance with isDiscountsSeason = true*
2. *Mock IDiscountCalculator to return isTheSpecialWeek = false and provide an odd week or an even week which returns getDiscountPercentage = 5 or =7*
3. *Call calculatePriceAfterDiscount(100.0)*

**Expected Behavior**

*The method should apply the discount as a decimal, For a 5% discount on a price of 100, the returned value should be 95*

**Actual Behavior**

*The method multiplies by 5 which returns 500 on a price of 100.*

**Bug ID**:Bug 002  
**Reported By**: *Zeyad Mohamed*  
**Date**:4/19/2024  
**Environment**: *Windows*

**Bug Details**

**Title**: *Year.parseYear(String) throws exception*  
**Severity**: *High*  
**Priority**: *Medium*

**Steps to Reproduce**

1. Call Year.parseYear() with an invalid string Year.

**Expected Behavior**

*Year.parseYear(String) should return null when the input is Invalid.*

**Actual Behavior**

*the method throws a TimePeriodFormatException*