

The functional tests have been developed using the existing MassGov retirement calculator. The functional tests essentially are to test one function: calculateRetirementBenefit. The specification, however is split into two halves: pre2012 and post2012, only so that it is more readable and that is a main constant across the function.

Name	calculateRetirementBenefit	
Summary	Calculate the retirement benefit of an employee	
Preconditions	Employment started pre2012	
Inputs		Expected Result
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 10 years Salary: 75000 Veteran: Yes		7,650
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 45+ years Salary: 75000 Veteran: Yes		34,050.00
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 20 years Salary: 75000 Veteran: Yes		15,300
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 2 10 years Salary: 75000 Veteran: Yes		7650
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 4 10 years Salary: 75000 Veteran: Yes		15150
DOB: 10/12/1968 Retirement: 4/4/2018		7500

Group: 1 10 years Salary: 75000 Veteran: No	
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Name	calculateRetirementBenefit	
Summary	Calculate the retirement benefit of an employee	
Precondition	Employment started post 2012	
Inputs		Expected Result
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 10 years Salary: 75000 Veteran: Yes		150
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 45+ years Salary: 75000 Veteran: Yes		300
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 20 years Salary: 75000 Veteran: Yes		300
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 2 10 years Salary: 75000 Veteran: Yes		150
DOB: 10/12/1968 Retirement: 4/4/2018 Group: 4 10 years Salary: 75000 Veteran: Yes		10916.25

DOB: 10/12/1968 Retirement: 4/4/2018 Group: 1 10 years Salary: 75000 Veteran: No	0
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