

COM2108 Functional Programming Assignment 1

Testing

Function	Test Case	Function Call	Result
listToBag	List with one element	listToBag ["A"]	[("A",1)]
	List with multiple elements in order	listToBag ["A","A","B"."B","C"]	[("A",2),("B",2),("C",1)]
	List with multiple elements out of order	listToBag ["A","B","A","C","A","B","D"]	[("A",3),("B",2),("C",1),("D",1)]
	Empty list	listToBag []	Controlled exception: Empty list
bagEqual	Two empty bags entered	bagEqual [] []	True
	One empty bag entered	bagEqual [("A",1)] [] <i>and</i> bagEqual [] [("A",1)]	In both cases: False
	Equal bags	bagEqual [("A",4),("B",3)] [("A",4),("B",3)]	True
	Equal bags in different order	bagEqual [("A",4),("B",3)] [("B",3),("A",4)]	True
	Unequal bags	bagEqual [("A",4),("B",3)] [("B",3),("A",10)] <i>and</i> bagEqual [("A",4),("B",3)] [("B",3),("A",10),("C",2)]	In both cases: False

