**2021 Question 3: (9 points)**

| Total Scored out of 9 |  |
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Part(a) addMembers

+1 Accesses all elements of names (no bounds errors)

Responses will not earn the point if they fail to access elements of the array, even if loop bounds are correct

+1 Instantiates a MemberInfo object with name from array, provided year, and good standing

+1 Adds MemberInfo objects to memberList (in the context of a loop)

Responses can earn the point even if they instantiate MemberInfo objects incorrectly

Part(b) remove members

+1 Declares and initializes an ArrayList of MemberInfo objects

Responses will not earn the point if they initialize the variable with a reference to the instance variable

+1 Accesses all elements of memberList for potential removal (no bounds errors)

Responses will not earn the point if they

• fail to use get(i)

• fail to attempt to remove an element

• skip an element

• throw an exception due to removing

+1 Calls getGradYear or inGoodStanding

Responses can still earn the point even if they call only one of the methods

Responses will not earn the point if they

• ever include parameters in either method call

• ever call either method on an object other than MemberInfo

+1 Distinguishes any three cases, based on graduation status and standing

Responses will not earn the point if they fail to behave differently in all three cases

+1 Identifies graduating members

Responses can still earn the point even if they

• fail to distinguish three cases

• fail to access standing at all

• access the graduating year incorrectly

Responses will not earn the point if they confuse < and <= in the comparison

+1 Removes appropriate members from memberList and adds appropriate members to the ArrayList to be returned

Responses can still earn the point even if they

• call getGradYear or inGoodStanding incorrectly

• access elements of memberListin correctly

• initialize the ArrayList incorrectly

• fail to return the list that was built (return is not assessed)

Responses will not earn the point if they

• fail to declare an ArrayList to return

• fail to distinguish the correct three cases, with the exception of confusing the < and <= in the comparison