|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **class name:** MemberList  **method signature:**  public boolean add(Member member) {}  public boolean remove(Member member) {} | | | | |
| **Test Case #** | **Requirement** | **Test Description and Input Data** | **Expected result/output** |
| 1 | (add)  The method should be able to verify that a valid Basic member has been added to the MemberList | * Creates an instance of MemberList and a Basic Member to add to it. * Test data:   Profile = (David, Smith, 12/12/2000)  BasicMember = (Profile, 2/23/2024, BRIDGEWATER) | true |
| 2 | (add)  The method should reject duplicate additions of the same Basic member | * Creates an instance of MemberList and a Basic Member to add to it twice to check for duplicates. * Test data:   Profile = (John, Smith, 11/11/2000)  BasicMember = (Profile, 2/23/2024, BRIDGEWATER)  Add BasicMember to MemberList. | false |
| 3 | (add)  The method should be able to verify that a valid Family member has been added to the MemberList | * Creates an instance of MemberList and a Family Member to add to it. * Test data:   Profile = (Bob, Smith, 10/10/2000)  FamilyMember = (Profile, 2/23/2024, EDISON) | true |
| 4 | (add)  The method should reject duplicate additions of the same Family member | * Creates an instance of MemberList and a Family Member to add to it twice to check for duplicates. * Test data:   Profile = (Jane, Smith, 9/9/2000)  FamilyMember = (Profile, 2/23/2024, EDISON)  Add FamilyMember to MemberList. | false |
| 5 | The method should be able to verify that a valid Premium member has been added to the MemberList | * Creates an instance of MemberList and a Premium Member to add to it. * Test data:   Profile = (Sarah, Smith, 7/7/200)  PremiumMember = (Profile, 2/23/2024, FRANKLIN) | true |
| 6 | The method should reject duplicate additions of the same Premium member | * Creates an instance of MemberList and a Premium Member to add to it twice to check for duplicates. * Test data:   Profile = (Megan, Smith, 7/7/200)  PremiumMember = (Profile, 2/23/2024, FRANKLIN)  Add PremiumMember to MemberList. | false |
| 7 | (remove)  The method should be able to verify that an existing member has been removed from the MemberList. | * Creates an instance of MemberList and a generic Member to add to it, who is then removed. * Test data:   Profile = (Craig, Smith, 6/6/200)  PremiumMember = (Profile, 2/23/2024, FRANKLIN)  Add PremiumMember to MemberList. | true |
| 8 | (remove)  The method should be able to verify that a non-existing member could not be removed from the MemberList. | * Creates an instance of MemberList and a generic Member that is NOT added, and attempts to remove. * Test data:   Profile = (Bill, Smith, 5/5/200)  basicMember = (Profile, 2/23/2024, PISCATAWAY) | false |