| **Test Name** | | | MemberConstructorTest | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Construction of Member class | | | |
| **Test Description:** | | | This test checks that the Constructor is working properly by checking if the input variable values match the variable values stored in the test Member class. If all these values match, accounting for type alterations due to the way the MessageUtil class works, then the test is passed. | | | |
| **Pre-conditions** | | | The input variables are initialized:   * firstName is initialized and set as the value stored in messageFirstName * lastName is initialized and set as the value stored in messageLastName * contactPhone is initialized and set as the value stored in messageContactPhone * emailAddress is initialized and set as the value stored in messageEmailAddress * id is initialized and set as the value stored in messageID * the Member class is then initialized using the above five variables as its input | | | |
| **Post-conditions** | | | * The Member class is created successfully with all its input variables matching the variables used in initializing the class. * The TestRunner class will state if there are no failures encountered in the test script. | | | |
| **Notes:** | | **This test simulates the creation of a Member class via Constructor by checking the input variable values against the variable values stored in the test Member class. This test also does not check for IllegalArgumentException.** | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | | **Pass** | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | Check if variable messageFirstName, which derives the value of firstName, matches the value stored under firstName in the test Member class. | | | That firstName, which contains “Bob”, matches the firstName variable of the test Member class used. | X |  |
|  | Check if variable messageLastName, which derives the value of lastName, matches the value stored under lastName in the test Member class. | | | That lastName, which contains “Smith”, matches the lastName variable of the test Member class used. | X |  |
|  | Check if variable messageContactPhone, which derives the value of contactPhone, matches the value stored under contactPhone in the test Member class. | | | That contactPhone, which contains “012345678”, matches the contactPhone variable of the test Member class used. | X |  |
|  | Check if variable messageEmailAddress, which derives the value of emailAddress, matches the value stored under emailAddress in the test Member class. | | | That emailAddress, which contains “email@webmail.com”, matches the emailAddress variable of the test Member class used. | X |  |
|  | Check if variable messageID, which derives the value of id, matches the value stored under id in the test Member class. | | | That id, which contains “1”, matches the id variable of the test Member class used. | X |  |

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| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| String firstName | “Bob” |  |  |  |  |
| String lastName | “Smith” |  |  |  |  |
| String contactPhone | “012345678” |  |  |  |  |
| String emailAddress | “email@webmail.com” |  |  |  |  |
| int id | 1 |  |  |  |  |