| **Test Name** | | | MemberHasReachedFineLimitTest | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Use Case Tested:** | | | Checks if Member has reached the Fines Payable limit (more than $10) | | | |
| **Test Description:** | | | This test checks in two test functions – that a member who has not exceeded the fines payable limit is marked as false when it comes to exceeding the fine limit, whereas a member whose fines exceed the limit is marked as true. | | | |
| **Pre-conditions** | | | * Member is initialized – in this case, a dummy Member class * The fines are given to or initialized to the member class | | | |
| **Post-conditions** | | | * If the member has fines payable below or at the fine limit, then it has not exceeded the limit, and is marked as false * If the member has fines payable above the fine limit, then it has exceeded the limit, and is marked as true | | | |
| **Notes:** | | **The test performed as expected, although a Boolean variable is used for obtaining the function result, which is then given to the test’s assertTrue or assertFalse functions.** | | | | |
| **Result (Pass/Fail/Warning/Incomplete)** | | **Pass** | | | | |
|  | **TEST STEP** | | | **EXPECTED TEST RESULTS** | P | F |
|  | Test function to check if the member initialized has exceeded fine limit, with a finesPayable value below the limit. | | | The Boolean variable value is false, which means the member has not exceeded the fine limit. | X |  |
|  | Test function to check if the member initialized has exceeded fine limit, with a finesPayable value above the limit. | | | The Boolean variable value is true, which means the member has exceeded the fine limit. | X |  |
|  |  | | |  |  |  |

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| --- | --- | --- | --- | --- | --- |
| **Test Data Table** | | | | | |
|  | **1** | **2** | **3** | **4** | **5** |
| Member | “Bob” | “Smith” | “012345678” | “email@webmail.com” | 1 |
| testMemberHasPayableNotReachedLoanLimit()  .addFine | 5f |  |  |  |  |
| testMemberHasPayableReachedLoanLimit()  .addFine | 13f |  |  |  |  |