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| **Testing Gym Manager GUI** | | | |
| Tab being tested: **Membership** | | | |
| **Test Case #** | **Requirement** | **Test description and input data** | **Expected result/output** |
| 1 | Leaving any of the fields blank will result in the program rejecting the action, not adding or removing anything from the database | Leave first name, last name, date of birth, or the location field blank and try clicking add/remove | **A message such as “Please enter your first name” is displayed on the console** |
| 2 | Any date that has a year <= 0, a month <= 0 or > 12, and a day <= 0 or > 31 is invalid and cannot be entered into the DatePicker element by default | Try typing invalid dates into the DatePicker | **Doesn’t work** |
| 3 | Adding a member with invalid info such as a person less than 18 years old, or a today or future date of birth will be rejected | Add a invalid member  Test Data:   * Kiana Kaslana, 12/7/2030 Bridgewater | **A helpful message will be printed “DOB 12/7/2030: cannot be today or a future date!”** |
| Tab being tested: **Fitness Class** | | | |
| 1 | Leaving any of the fields blank will result in the program rejecting the action, not checking-in or checking-out anyone from the database | Leave first name, last name, date of birth, or the class field blank and try to check-in/check-out  Test Data:   * “10/2/1997” | **Doesn’t work and a message is displayed on the console** |
| 2 | Trying to select a class without loading the class schedule in first doesn’t not work | Try to select a class without loading the schedule | **A warning is shown where the user can either let it automatically load it or go to the information hub and load it manually** |
| 3 | Trying to check in a member that doesn’t exist result in the program rejecting you | Try check-in a member that doesn’t exist  Test Data:   * Raiden Mei, 4/13/1997, Pilates, Davis, Edison | **An error message will be printed and no one will be check in** |
| 4 | Trying to check out a member that either doesn’t exist or hasn’t checked in yet will also result in the program rejecting | Try checking out a member that hasn’t checked in yet   * Jane Doe, 5/1/1996, Pilates, EDISON, 08837, MIDDLESEX | **An error message will be printed and no one will be checked out** |
| 5 | Any errors that is listed in project 2 should work | Try any condition in project 2 | **A message should be printed out and the program will reject any invalid inputs** |

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| **Tab name being tested: Information Hub** | | | |
| **Test Case #** | **Requirement** | **Test description and input data** | **Expected result/output** |
| 1 | Load MenuItems should load txt files into their databases and print MenuItems should print their contents onto the console | Try testing every MenuItem | **Info should be printed on the console** |