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Testing Add Member

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| TestCase | Requirement | Test Description | Expected output |
| #1 | Add a default member with all valid information | The member being added must be default with a date that is valid and location that is valid. | Member added |
| #2 | Add a default member with all invalid date | The member being added must be default with a date that is not valid and location that is valid. | Invalid date! |
| #3 | Add a default member with all invalid location | The member being added must be default with a date that is valid and location that is not valid. | Invalid location! |
| #4 | Add a premium member with all valid information | The member being added must be Premium with a date that is valid and location that is valid. | Member added |
| #5 | Add a Premium member with all invalid date | The member being added must be Premium with a date that is not valid and location that is valid. | Invalid date! |
| #6 | Add a Premium member with invalid location | The member being added must be Premium with a date that is valid and location that is not valid. | Invalid location! |
| #7 | Add a Family member with all valid information | The member being added must be Family with a date that is valid and location that is valid. | Member Added |
| #8 | Add a Family member with invalid date | The member being added must be default with a date that is not valid and location that is valid. | Invalid date! |
| #9 | Add a Family Member with invalid location | The member being added must be default with a date that is valid and location that is not valid. | Invalid location! |
| #10 | Add any member with both invalid location and invalid date | The member being can be of any type with a date that is valid and location that is valid. | Invalid location! |

Testing Remove Member

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| TestCase | Requirement | Test Description | Expected output |
| #1 | Remove Member that already exists in the database. | A member that already exists in the database must be removed. | Member Removed |
| #2 | Remove Member that doesn’t exist in the database. | The member that is being requested to be removed doesn’t exist in the database so it says member doesn’t exist in the database. | User not found. |

Testing Check in member

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| TestCase | Requirement | Test Description | Expected output |
| #1 | Check in Member that is a member into class. | The member must exist in the database to check in. | Member Checked into class. |
| #2 | Check in Member that doesn’t exist in database | The member that is being requested to be checked in should not be checked in as they are not a member in the gym. | User not found. |
| #3 | Check in default member that wants to check in at another location | The member who is a default member should not be able to check in to the class that is located in another location as their membership doesn’t allow it. | Not eligible for location! |
| #4 | Check in to class where instructor doesn’t exist | Trying to check into a class where the instructor does not exist, it should say that the instructor doesn’t exist and continue with program. | Invalid instructor name |
| #5 | Check into a class that doesn’t exist | Trying to check into a class where the class doesn’t exist should return a message that doesn’t exist | Invalid class name |

Testing Checkout/Drop Member

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| TestCase | Requirement | Test Description | Expected output |
| #1 | Check out member that exists in the | A member that already exists in the database must be removed. | Member Removed |
| #2 | Remove Member that doesn’t exist in the database. | The member that is being requested to be removed doesn’t exist in the database so it says member doesn’t exist in the database. | User not found. |

Testing Check in Guest

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| TestCase | Requirement | Test Description | Expected output |
| #1 | Check in Guest with Premium membership | The guest should be checked in since the Premium members have guesting ability | Guest checked in |
| #2 | Check in Guest with Family membership | The guest should be checked in since the Family members have guesting ability | Guest checked in |
| #3 | Check in Guest with passes that have run out either family or premium | The Guest passes should be out meaning guest can’t be checked in | Out of guest passes |
| #4 | Check in Guest into location away from member location | The guest should not be able to be checked in since the location is different from the member location | Invalid location. |

Testing Checkout/Drop Guest

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| TestCase | Requirement | Test Description | Expected output |
| #1 | Check out guest | The member that has checked a guest into the class can have the guest be dropped if they are checked in | Guest Removed |
| #2 | Check out guest from member that doesn’t exist | When a member doesn’t exist then the guest cannot be checked out | Member does not exist. |