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| **TC1** | | **Login** | | | |
| Test ID | Description | | Expected Output | Actual Output | Result (pass/fail) |
| 1.1 | Correct username and password | | Student obtains access to account |  |  |
| 1.2 | Correct username, incorrect password | | Does not obtain access, error message indicating login attempt failed |  |  |
| 1.3 | Incorrect username, correct password | | Does not obtain access, error message indicating login attempt failed |  |  |
| 1.4 | Incorrect username, incorrect password | | Does not obtain access, error message indicating login attempt failed |  |  |

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| **TC2** | | **Add Reservation** | | | |
| Test ID | Description | | Expected Output | Actual Output | Result (pass/fail) |
| 2.1 | Add reservation on open time slot, student has less than 3 existing reservations | | Reservation is created, confirmation displayed |  |  |
| 2.2 | Add reservation on open time slot, student has less than 3 reservations, choose to repeat for multiple weeks | | Reservation is created at the same time over several weeks, confirmation displayed |  |  |
| 2.3 | Add a reservation on open time slot, student has another reservation at the same time in a different room | | Reservation not created, error message indicating user already has reservation at that time slot |  |  |
| 2.4 | Add reservation on occupied time slot | | Reservation not created, student is added to waitlist |  |  |
| 2.5 | Add reservation on open time slot, student has already reached maximum of 3 weekly reservations | | Reservation not created, error message indicating maximum reservations have been reached |  |  |
| 2.6 | Add reservation on a time slot in the past | | Reservation not created, error message indicating a reservation cannot be made in the past |  |  |
| 2.7 | Add reservation on open time slot, end time is earlier than start time | | Reservation not created, error message indicating reservation time is invalid |  |  |
| 2.8 | Add reservation on open time slot, invalid title | | Reservation not created, error message indicating title is invalid |  |  |
| 2.9 | Add reservation on open time slot, invalid description | | Reservation not created, error message indicating description is invalid |  |  |
| 2.10 | Add reservation on open time slot, invalid room name | | Reservation not created, error message indicating room is invalid |  |  |

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| **TC3** | | **Update Password** | | | |
| Test ID | Description | | Expected Output | Actual Output | Result (pass/fail) |
| 3.1 | Correct current password, valid new password | | Password changed, confirmation displayed |  |  |
| 3.2 | Correct current password, invalid new password | | Password unchanged, error message indicating the attempt failed |  |  |
| 3.3 | Incorrect current password, valid new password | | Password unchanged, error message indicating the attempt failed |  |  |
| 3.4 | Incorrect current password, invalid new password | | Password unchanged, error message indicating the attempt failed |  |  |

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| **TC4** | | **Update Email Address** | | | |
| Test ID | Description | | Expected Output | Actual Output | Result (pass/fail) |
| 4.1 | Change current e-mail, new e-mail is valid | | E-mail changed, confirmation displayed |  |  |
| 4.2 | Change current e-mail, new e-mail is invalid | | E-mail not changed, error message indicating the attempt failed |  |  |

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| **TC5** | | **Cancel Reservation** | | | |
| Test ID | Description | | Expected Output | Actual Output | Result (pass/fail) |
| 5.1 | Cancel existing reservation, nobody on waitlist | | Reservation cancelled, confirmation displayed |  |  |
| 5.2 | Cancel existing reservation, one student currently on waitlist | | Reservation cancelled, confirmation displayed, student on waitlist gets the reservation |  |  |
| 5.3 | Cancel existing reservation, several students on waitlist | | Reservation cancelled, confirmation displayed, student in first position of waitlist gets the reservation |  |  |
| 5.4 | Cancel reservation that has already occurred | | Reservation unchanged, error message indicating that reservations in the past cannot be deleted |  |  |
| 5.5 | Cancel waitlisted reservation | | Reservation cancelled, confirmation displayed, reservation still held by other student |  |  |

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| **TC6** | | **Modify Reservation** | | | |
| Test ID | Description | | Expected Output | Actual Output | Result (pass/fail) |
| 6.1 | Change reservation time to open time slot in the same room | | Reservation changed to new time slot, confirmation displayed |  |  |
| 6.2 | Change reservation time to occupied time slot in the same room | | Reservation unchanged, error message indicating time slot is occupied, student added to waitlist |  |  |
| 6.3 | Change reservation time, time slot in the past | | Reservation unchanged, error message indicating a reservation cannot be made in the past |  |  |
| 6.4 | Change room, new room is available at that time slot | | Reservation changed to new room, confirmation displayed |  |  |
| 6.5 | Change room, new room is occupied at that time slot | | Reservation unchanged, error message indicating time slot is occupied, student added to waitlist |  |  |
| 6.6 | Change room and time, new room is available at that time slot | | Reservation changed to new time and room, confirmation displayed |  |  |
| 6.7 | Change room and time, new room is occupied at that time slot | | Reservation unchanged, error message indicating time slot is occupied, student added to waitlist |  |  |
| 6.8 | Change time and/or room to a new week where maximum of 3 reservations have been made | | Reservation unchanged, error message indicating maximum reservations have been reached |  |  |
| 6.9 | Change time, student already has reservation at the same time in a different room | | Reservation unchanged, error message indicating they already have a reservation at the same time |  |  |
| 6.10 | Change time and/or room, new room/time is available, old reservation has at least one student on waitlist | | Reservation changed, confirmation displayed, next student on waitlist gets the old reservation |  |  |
| 6.11 | Change reservation title, new title invalid | | Reservation unchanged, error message indicating title is invalid |  |  |
| 6.12 | Change reservation description, new description invalid | | Reservation unchanged, error message indicating description is invalid |  |  |