

Team 11: Testing Document

*Pedro Del Moral Lopez, Sam Fellers, Ben Huemann, Michael Pike, Kaiwen Wei*

# Account Related Testing

## A: Test 1: Login [Severity: 3-Critical]

### B: Steps:

1. Click login button.
2. Enter valid email and password associated with an existing account.
3. Click Submit button.

### C: Expected Result:

1. Success prompt is displayed and user is rerouted to home screen displaying floor map and timetables.
2. Corresponding user reservations and information is displayed in “My reservations”.

## A: Test 2: Login [Severity: 3-Critical]

### B: Steps:

1. Click login button.
2. Enter valid test email and password.
   1. Any valid purdue email with a valid password that matches the following criteria should be accepted:
      1. At least 1 capital letter
      2. At least 1 lowercase letter
      3. 5-10 alphabetical letters minimum.
      4. At least 1 number
      5. “?”,”!”, and “.” are optional
      6. All other symbols are excluded.
3. Click Submit.

### C: Expected Result:

1. Success prompt is displayed and user is rerouted to home screen displaying floor map and time tables.
2. Corresponding user reservations and information is displayed in “My reservations”.

## A: Test 3: Login [Severity 3-Critical]

### B: Steps:

1. Click login button.
2. Enter invalid email.
3. Enter valid password.
4. Click submit

### C: Expected Result:

1. Failure screen is displayed and user is prompted to login again with valid credentials.

## A: Test 3a: Login [Severity 3-Critical]

### B: Steps:

1. Click login button
2. Enter valid email
3. Enter invalid password not in compliance with the requirements laid out in Test 2.B.2.a
4. Click submit

### C: Expected Result:

1. Failure screen is displayed and user is prompted to login again with valid credentials.

## A: Test 3b: Login [Severity 3-Critical]

### B: Steps:

1. Click login button
2. Enter valid email
3. Do not enter a password
4. Click submit

### C: Expected Result:

1. Failure screen is displayed and user is prompted to login again with valid credentials.

## A: Test 3c: Login [Severity 3-Critical]

### B: Steps:

1. Click login button
2. Do not enter an email
3. Enter a password
4. Click submit

### C: Expected Result:

1. Failure screen is displayed and user is prompted to login again with valid credentials.

## A: Test 3d: Login [Severity 3-Critical]

### B: Steps:

1. Click login button
2. Click submit

### C: Expected Result:

1. Failure screen is displayed and user is prompted to login again with valid credentials.

## A: Test 4: Logout [Severity 2-Important]

### B: Steps:

1. Click login button.
2. Enter valid username and password associated with an existing account.
3. Click “Submit” button.
4. Click logout button.
5. Attempt to register for a timeslot.

### C: Expected Result:

1. User should have a success dialog displayed, then be rerouted to the main page, without being presented the options on the navbar for “My Reservations”.
2. When the user tries to reserve a room at this point, they should be prompted to login.

## A: Test 5: Registration [Severity 3-Critical]

B: Steps:

1. Click “register” button
2. Enter valid and unused purdue email
3. Enter a password that is in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see a success message telling them a verification email has been sent to their email and that they should check it.

A: Test 6: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter another valid and unused purdue email
3. Enter another valid password in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see a success message telling them a verification email has been sent to their email and that they should check it.

## A: Test 7: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter a used purdue email
3. Enter a valid password in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them the email is already in use and redirect them to the main page.

## A: Test 7a: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter used purdue email
3. Enter an invalid password not in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them the email is already in use and redirect them to the main page.

## A: Test 7b: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter an unused purdue email
3. Enter an invalid password not in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them the password they entered does not meet the required rules.

## A: Test 7c: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Do not enter an email.
3. Enter an invalid password not in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them they need to enter an email.

## A: Test 7d: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Do not enter an email.
3. Enter a valid password in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them they need to enter an email.

## A: Test 7e: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter a valid and unused purdue email.
3. Do not enter a password
4. Click register

### C: Expected Result:

1. The user should see an error page informing them they need to enter a password.

## A: Test 7f: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter a non-purdue email
3. Enter a valid password in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them they need to enter a valid Purdue email

## A: Test 7g: Registration [Severity 3-Critical]

### B: Steps:

1. Click “register” button
2. Enter a non-purdue email
3. Enter an invalid password not in compliance with the requirements laid out in Test 2.B.2.a
4. Click register

### C: Expected Result:

1. The user should see an error page informing them they need to enter a valid Purdue email

## A: Test 8: Change Password [Severity 2-Important]

### B: Steps:

1. Follow steps in Test 1 to login
2. Click the “change password” button.
3. Enter a valid password in compliance with the requirements laid out in Test 2.B.2.a
4. Confirm the new password
5. Hit enter.
6. Follow steps in Test 4 to log out.
7. Follow Steps in Test 1 to log in.

### C: Expected Result:

1. When you attempt to log back in, your old password should no longer be accepted.
2. The new password should be accepted.

## A: Test 9: Change Password [Severity 2-Important]

### B: Steps:

1. Follow steps in Test 1 to login
2. Click the “change password” button.
3. Enter an invalid password not in compliance with the requirements laid out in Test 2.B.2.a

### C: Expected Result:

1. The user should see an error page informing them the password they entered does not meet the required rules.

## A: Test 11: Recover Password [Severity 2-Important]

### B: Steps:

1. On login screen, click the “Recover Password”
2. Enter account email, then press enter
3. Navigate to your email and gather verification PIN
4. Enter verification pin in text box, then press enter

### C: Expected Result:

1. Account will have a verification pin sent to their email
2. Once pin is entered, account is logged in and prompted to change password

## A: Test 12: Recover Password [Severity 2-Important]

### B: Steps:

1. On login screen, click “Forgot Password”
2. Enter account email, then press enter
3. Input an invalid pin, then press enter

### C: Expected Result:

1. System will alert user that an invalid pin has been entered and request user to enter valid pin.

# Overall Room Related Tests

## A: Test 13: View All Room Statuses [Severity 3-Critical]

### B: Steps:

1. Make a reservation at an open time.

2. Navigate to the scrolling container, next to the room map on the home page.

### C: Expected Result:

1. The user should see a schedule of all room reservations for the day, the user should confirm their reservation is included.

## A: Test 14: View All Room Statuses [Severity 3-Critical]

### B: Steps:

1. Create a number of valid reservations using the steps in Test 19.
2. Navigate to a day with reservations in the future using the calendar at the top of the main screen.
3. Navigate back to the scrolling container.
4. Hover mouse over each individual room.

### C: Expected Result:

1. Each annotation for rooms hovered over should match what is displayed in the scrolling container, and clicking on the room should display a modal that contains the same timetable information as the scrolling container.

## A: Test 15: View All Room Statuses [Severity 3-Critical]

B: Steps:

C: Expected Result:

# Individual Room Related Tests

## A: Test 16: View Individual Room Status [Severity 3-Critical]

### B: Steps:

1. Navigate to the room map page.
2. Select the day you want to see room data
3. Click on the room you want to view.

### Expected Result:

1. Current status of room is displayed for the selected day

## A: Test 17: View Individual Room Status [Severity 3-Critical]

### B: Steps:

1. Navigate to the room map.
2. Click on the room you want to view status of.

### C: Expected Result:

### It will display the current status of the room.

## A: Test 18: View Individual Room Status [Severity 3-Critical]

### B: Steps:

1. Navigate to the room map page.
2. Click on non-supported areas (lobby, stairs, etc)

### C: Expected Result:

1. Recognize no valid room was selected and do nothing

# 

# 

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# Reservation Related Tests

## A: Test 19: Make Reservation [Severity 3-Critical]

B: Steps:

1. Login with a valid account
2. Go to the “reserve a room” page
3. Select a room
4. Enter a reservation time for which the room is not already reserved
5. Click “reserve”

C: Expected Result:

1. Reservation confirmation is displayed
2. Reservation appears in “my reservations”
3. Room status for that time is marked “reserved”

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## A: Test 20: Make Reservation [Severity 3-Critical]

### B: Steps:

1. Login with another valid account

2. Go to the “reserve a room” page

3. Select a room

4. Enter a reservation time for which the room is not already reserved

5. Click “reserve”

### C: Expected Result:

1. Reservation confirmation is displayed
2. Reservation appears in “my reservations”
3. Room status for that time is marked “reserved”

## A: Test 21: Make Reservation [Severity 3-Critical]

### B: Steps:

1. Login with a valid account
2. Go to “make a reservation” page
3. Select a room
4. Enter a reservation time overlapping with a previous reservation
5. Click “reserve”

### C: Expected Result:

1. Reservation error is displayed

Reservation is not added

## A: Test 22: Mark Room as Shareable [Severity 2-Important]

### B: Steps:

1. Login with a valid account
2. Select a room to reserve and enter a valid time
3. Select “mark room as sharable”
4. Submit reservation

C: Expected Result

1. Reservation is added successfully
2. Room status is set to “shareable” for the specified time

## A: Test 23: Mark Room as Sharable [Severity 2-Important]

### B: Steps:

1. Login with a valid account
2. Go to “my reservations”
3. Select a non-sharable reservation
4. Click “mark as shareable”

C: Expected Result

1. Reservation is set to “shareable”
2. Room status is set to “shareable” for the specified time

## A: Test 24: Unmark Room as Sharable [Severity 2-Important]

### B: Steps:

1. Login with a valid account
2. Go to “my reservations”
3. Select a sharable reservation
4. Click “unmark as sharable”

C: Expected Result

1. Reservation is set to “reserved”
2. Room status is set to “reserved” for the specified time

## A: Test 25: Mark Room as Sharable [Severity 2-Important]

### B: Steps:

1. Login with a valid account
2. Attempt to reserve a currently reserved room
3. Click “mark as sharable”
4. Submit reservation

### C: Expected Result:

1. Reservation is not made
2. Room status is unchanged for the specified time

## A: Test 26: Cancel a Reservation [Severity 3-Critical]

### B: Steps:

1. Login with a valid account
2. Go to “my reservations” page
3. Select a reservation from the list
4. Click “cancel reservation”

### C: Expected Result:

1. Reservation is removed from “my reservations” page
2. Room is marked as free for the previously reserved time

## A: Test 27: Reservation Limitation [Severity 1-Workaround]

### B: Steps:

1. Login with a valid account
2. Make reservations totalling 6 hours
3. Go to reservations page
4. Attempt to make a reservation

### C: Expected Result:

1. Error message is displayed: “you have already made too many reservations”
2. Reservation is not made

## A: Test 28: Reservation Limitation [Severity 1-Workaround]

### B: Steps:

1. Login with a valid account
2. Clear all current reservations
3. Make reservations totalling 3 hours
4. Attempt to make more reservations totalling an additional 3 hours

### C: Expected Result:

1. All requested reservations are added to “my reservations” page

## A: Test 29: Reservation Limitation [Severity 1-Workaround]

### B: Steps:

1. Login with a valid account
2. Clear all current reservations
3. Make reservations totalling 3 hours
4. Attempt to make more reservations totalling an additional 3 hours
5. Attempt to make a third reservation for an additional 3 hours
6. Cancel the first reservation
7. Attempt to make a fourth reservation for 3 hours

### C: Expected Result:

1. The first two reservations are added successfully
2. An error message is displayed for the third reservation and is not added
3. The fourth reservation is added successfully

## A: Test 30: Reservation Limitation [Severity 1-Workaround]

### B: Steps:

1. Login with a valid account and clear all standing reservations
2. Make a reservation totalling 3 hours
3. Attempt to make a second reservation totalling 4 hours
4. Attempt to make a third reservation totalling 3 hours

### C: Expected Result:

1. The first reservation is added successfully
2. The second reservation is not added and an error message is displayed
3. The third reservation is added successfully

# Administrator related testing

## A: Test 31 Block a room [Severity 2-Important]

## B: Steps

1. Create various reservations on a room with various users.
2. Log in as an administrator using the steps of Test 1 with an administrator account.
3. Click on the administrator tab.
4. Click on a room you want to block.
5. Check block.
6. Navigate back to the main page.
7. Hover over the blocked room and attempt to select it.

## C: Expected Result:

1. When hovered over, the annotation should say “Room has been locked by an Administrator”.
2. When attempting to select the room the modal should not open.
3. All reservations for that room should have been cancelled and the owners of the reservations notified.

## A: Test 32 Block a room [Severity 2-Important]

### B: Steps

1. Log in as a non-administrative account.
2. Attempt to click on administrator tab.

### C: Expected Result:

1. System will request the user log in as an administrator.

## A: Test 33 Unblock a room [Severity 2-Important]

### B: Steps

1. Log in as an administrative account using the steps of Test 1.
2. Click on the administrative tab.
3. Click on a blocked room.
4. Uncheck the blocked checkbox.
5. Navigate back to the main page.
6. Hover mouse over room.
7. Select room.

### C: Expected Result:

1. When hovered over, the annotation should say:
   1. Open: if unreserved at the time of day for that day
   2. Reserved: if there is a reservation at that time that is not shareable
   3. Fully reserved: if there are no open slots that day
   4. Shareable : if there is a reservation currently for the room that is marked as shareable
2. When clicked, the modal for reserving a time space should become available.

## A: Test 34 Unblock a room [Severity 2-Important]

### B: Steps

1. Log in as an administrative account using the steps of Test 1.
2. Click on the administrative tab.
3. Click on an unblocked room.
4. Attempt to uncheck the block checkbox.

### C: Expected Results

1. Nothing will happen to the room as the room was already unblocked.

## A: Test 35 Cancel Reservation [Severity 2-Important]

### B: Steps

1. Log in as an administrative account using the steps of Test 1.
2. Click on the administrative tab.
3. Click on a room.
4. Click on a reserved reservation slot
5. Click “Cancel Reservation”
6. Navigate back to the main page.
7. Click on the room.

### C: Expected Results

1. The timetable should now be free and capable of being reserved by a different person.

## A: Test 36 Cancel Reservation [Severity 2-Important]

### B: Steps

1. Log in as an administrative account using the steps of Test 1.
2. Click on the administrative tab.
3. Click on a room.
4. Click on an unreserved reservation slot
5. Attempt to click “Cancel Reservation”

### C: Expected Results

1. The room will be unchanged since an unreserved slot was chosen and the checkbox will be disabled.