

Library Room Reservation App

This document illustrates acceptance criteria/tests organized by use-case. In the SE2030 labs, the acceptance tests will be organized by feature instead.

User Stories

- Use Case 2 -- As a student working in the library, I would like to be able to reserve a library room for my weekly meetings so that I will have a consistent weekly pattern.
- Use Case 3 -- As a student who has made a recurring reservation, I would like to be able to log in and edit my meeting's details so that I can adjust as other requirements come up throughout the quarter and so that I can confirm the information is entered correctly.

Stakeholders

- Librarians
- Students making reservations
- Other students in the group whose reservations are made

General Preconditions

For all tests, the user is logged in with a valid and active account.

Use Cases with Acceptance Tests

Use Case 2 – Student Weekly Room Reservation

Acceptance Test 2.1 – Test adding a recurring meeting when everything works, selecting "weekly" first

Precondition

The schedule "**simple.sched**" is loaded into the system. **(See attached folder for resource files)**

Procedure

1. The system displays the schedule, showing **Room A occupied from,9-10am T, W, R,** and **Room B occupied 9-noon M, W, F.** It lists **Room A** and **Room B** as available rooms. And allows the student to select options including recurrent scheduling.
2. The student selects **10-11am on Tuesday.**
3. The student selects recurrent scheduling. Options of daily, weekly, bi-weekly, and monthly reoccurrence are presented, along with start and stop dates.
4. The student selects a weekly reoccurrence.
5. The student opens the stop date. A calendar is displayed.

6. The student selects **Week 10 Tuesday** as the stop date (manually checking school's schedule on a separate site). The date **Week 10 Tuesday** is displayed in the main window.
7. The student selects a **Room A**.
8. The student submits the request. The system confirms that **Room A** is available from **10-11 on Tuesdays** from **Week 1** to **Week 10 Tuesday**.
9. A summary screen displays **Room A, Tuesdays, 10-11am, and Week 1 through Week 10**.
10. The student finalizes the reservation request. The system reserves the room and displays a final confirmation screen.

Expected results

The final confirmation screen displays **Room A** is reserved **Tuesdays, 10-11am, and Week 1 through Week 10**.

Acceptance Test 2.3 – Rainy Day Path – Hard to find room

Precondition

The schedule "**simple.sched**" is loaded into the system. (See attached folder for resource files)

Procedure

1. The system displays a schedule showing **Room A occupied from 9-10am T, W, R, and Room B occupied 9-noon M, W, F**. It lists **Room A** and **Room B** as available rooms. And allows the student to select options including recurrent scheduling.
2. The student selects **10-11am on Tuesday**.
3. The student selects recurrent scheduling. Options of daily, weekly, bi-weekly, and monthly reoccurrence are presented, along with start and stop dates.
4. The student selects a weekly reoccurrence.
5. The student selects **Tuesday, Wednesday, and Thursday** as the days of the week on which this event repeats.
6. The student opens the stop date. A calendar is displayed.
7. The student selects **Week 10 Tuesday** as the stop date (manually checking school's schedule on a separate site). The stop date of **Week 10 Tuesday** is displayed in the main window.
8. The student selects **Room B**.
9. The student submits the request. The system finds that there is a conflict with the schedule on a few dates. **It displays Week 1 Wednesday 9-noon, Week 2 Wednesday 9-noon, Week 3 Wednesday 9-noon, through Week 10 Wednesday 9-noon** as conflicting reservations.
10. Consulting with the team, the student selects **Tuesday and Thursday** as the days of the week on which this event repeats and changes the times this meeting meets to **10-11:30 am**.
11. The student submits the request again. The system confirms there are no conflicts this time.
12. A summary screen displays **Room B, Tuesdays and Thursdays, 10-11:30am, and Week 1 through Week 10**.

13. The student clicks the “reserve” button to reserve the room. A final confirmation screen is displayed with a summary of the reservation.

Expected Results

The final confirmation screen displays **Room B** is reserved **Tuesdays and Thursdays, 10-11:30am**, and **Week 1 through Week 10**.

Use Case 3 – Edit meeting

Acceptance Test 3.1

Preconditions

- The schedule "**simple.sched**" is loaded into the system. (See attached folder for resource files)
- Student has made a recurring reservation for **Room B** is reserved **Tuesdays and Thursdays, 10-11:30am**, and **Week 1 through Week 10**, as in Use Case 2.

Procedure

1. The system displays a schedule showing **Room A occupied from 9-10am T, W, R**, and **Room B occupied from 9-noon M, W, F**, and **Room B occupied from 10-11:30am T, R**. It lists **Room A** and **Room B** as available rooms. And allows the student to select options including recurrent scheduling.
2. The student opens the reservation for **Room B occupied from 10-11:30am, T, R**. The system shows a dialog to edit the details of this reservation.
3. The student changes the end time for the meeting to **12 noon** and saves the reservation.

Expected Results

The system displays a schedule showing **Room A occupied from 9-10am T, W, R**, and **Room B occupied from 9-noon M, W, F**, and **Room B occupied from 10-noon T, R**.