

Spacebook

Project Summary

Created as a final project for CS132 (Creating Modern Web Applications), Spacebook is a new system for online room and event scheduling at Brown. Members of the Brown community can use the system to reserve university resources for academic and student group events.

Project Details

Spacebook's event scheduling service involves two types of users: the general user, who is looking to reserve a room on Brown's campus, and the administrator, who manages reservation requests.

General users can find a place and time for their events by choosing one of two booking options: "Book by Room" or "Book by Time."



Create a new event



Book by Time

(I know when I want my event, help me find a room)

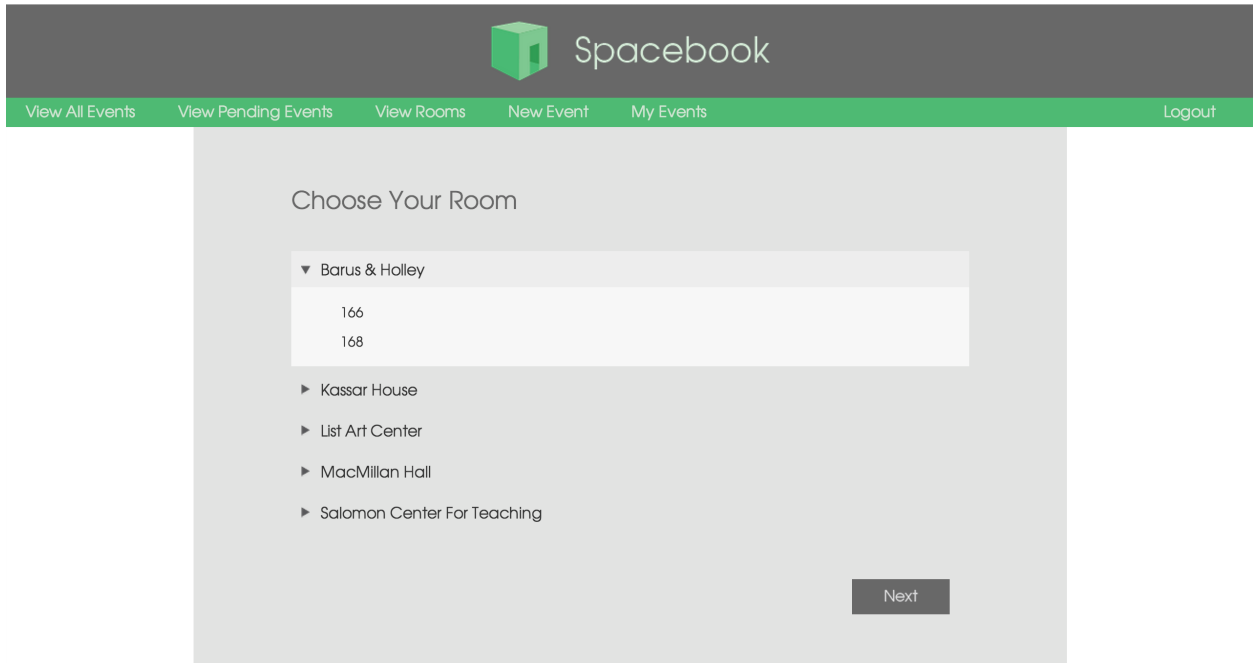


Book by Room

(I know where I want my event, help me find a time)

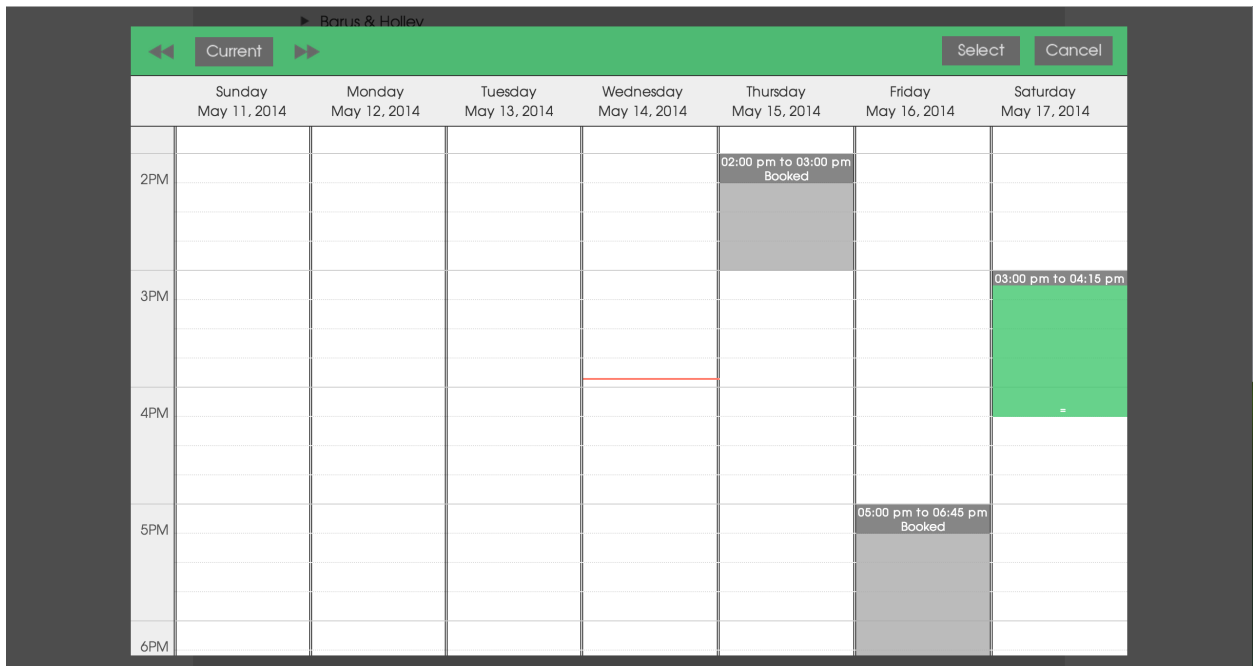
The user landing page

If the user requires her event to take place at a specific time and is looking for an available room, she books by time. After specifying the details of her event (including date and time, anticipated attendance, and required room equipment), she may select from a list of rooms that meet these requirements.



The user can select a room that meets her requirements when booking by time

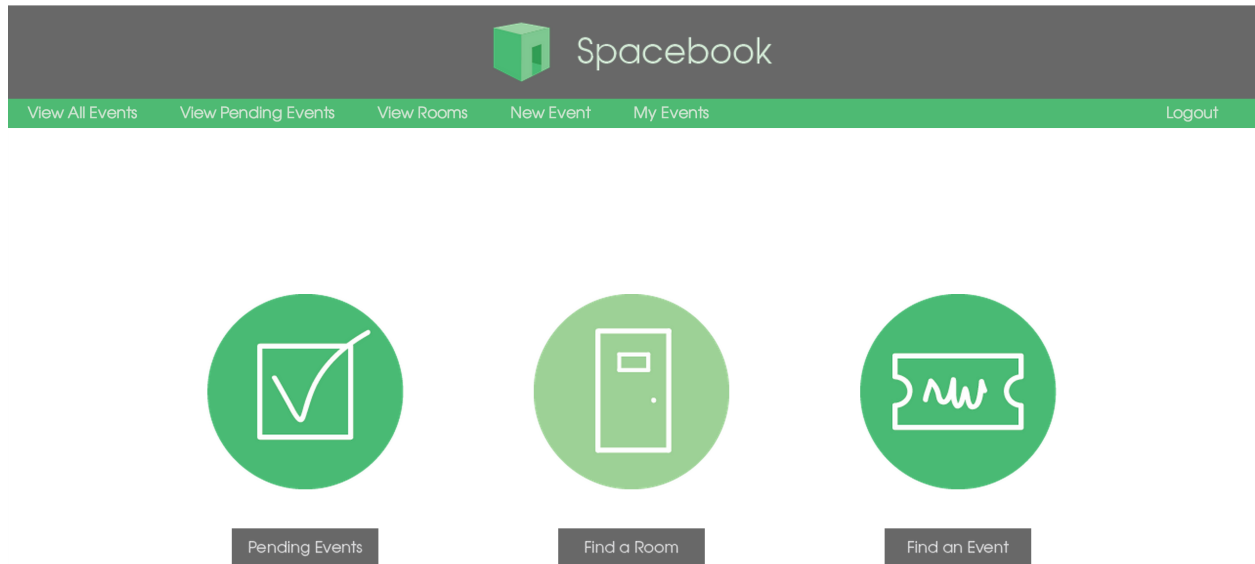
If the user requires her event to take place in a particular room and needs to find a time at which that room is available, she books by room. After specifying the room she would like to reserve, she is shown a calendar of that room's availability, and she can select a date and time for her event. Once she has selected the date and time, she fills in the rest of her event details.



When booking by room, users can click and drag on the calendar to select an event time

When all event details have been specified, the user submits a reservation request. She receives a confirmation email stating that her request is pending approval by an administrator.

Administrators have the ability to view, edit, confirm, and reject events submitted by members of the Brown community. They can easily view potential conflicts between pending events and events that have already been confirmed. At any time, an administrator may contact the person who requested a particular reservation. Administrators can also view the full calendar of any room on campus and edit the details of any event.



The administrator landing page

Spacebook is a senior capstone project by Brian Drake, Julie Mond, and Sam Squires. It was designed by Sylvia Tomayko-Peters.