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Background:

Leavey Library has a over 30 collaborative workrooms, located on 2 separate floors, that USC students can reserve for group study. Currently, a paper and pencil sign-up sheet is used to manage the reservation process. During most of the semester the rooms are extremely popular and continually booked. The paper-based sign-up process has many flaws, including the difficulty of knowing what's available, lost sign-up sheets, students crossing out other's reservations, etc. At various times in the past ISD has looked into setting up a web-based resource scheduling system but none has been implemented.

Problem Statement:

Create a resource request and management system for booking rooms in Leavey Library. Resource needs to be web based and be integrated with the policies and procedures of the Library. System should lesson the work for staff to manage the resources.

Constraints:

Apache/PHP or Apache/Zope based with a MySQL or Oracle database as a target (will be developed with MySQL but will need to have ANSI SQL methods so that it is easily retargeted at Oracle).

Desired Deliverables:

A web based system for requesting, tracking, and scheduling Leavey learning rooms and resources.