LeoBook

Software Engineering CS 455
Spring 2018

Department of Computer Science and Information Systems
University of North Alabama

May 2, 2018

Presentation outline

Software Engineering Stategies

- Agile approach
  - SCRUM
  - Paired programming
  - Self-organizing teams and meetings

Project Management

- Communication
  - Canvas
  - GroupMe
  - Standup meetings
- SCM
  - GitHub repository
  - UNA-CS455 SchedulingApp

Getting Started

- Requirements gethering
- Planning
- User Stories
- Backlog
- Sprints
- Stakeholder communication
- Continual evaluation

LeoBook Architecture

- 3-tier architecture:
  - Presentation – Javascript and Ajax
  - Application – PHP 7
  - Data – MySQL

User Guide

- To simplify the transition to our system, we created the LeoBook User Guide
  - Includes a brief introduction of the system
  - Informs you how to quickly start using the system
  - Includes sections that walk you through how to use each feature of LeoBook
  - Explains how to create, edit, and delete reservations
  - Teaches you how to add favorites and use the settings page
  - Has a table of contents so you can quickly find the information you need

User Guide

LeoBook

User Guide

© May 2018 CS-455.
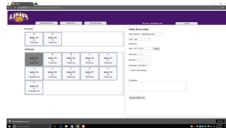

Table of Contents

LeoBook User Guide   i

Creating a Reservation from the Make Reservation Tab

After you log in, you will be directed to the Make Reservation page. You can also get to this page by clicking the "Make Reservation" tab at the top left of the page.

1. Enter the email you will be reserving the room for in the "Reserving For" textbox.
2. Specify what type of room you would like to reserve from the "Type" dropdown menu.
3. If you have a specific room you would like to reserve, select the room number from the rooms available to the left.
4. Select the date that you would like to reserve the room for. This can be entered manually or by clicking the down arrow and using the calendar. Check if this date is open for reservations by clicking the "Check" button.
5. Select the start time and end time for your room reservation. This can be entered manually using the keyboard or by using the up and down arrows to the right of each textbox.
6. Using the "Recurring" dropdown menu, select whether you want your reservation to occur just once, weekly, or monthly.
7. Select the "Allow room sharing" checkbox if you want to share the room during your reservation.
8. If you allow room sharing, you will need to enter the expected number of seats needed below.
9. Add any additional comments you want to appear with your reservation.
10. Click "Reserve <your room number>".
11. A confirmation popup will appear to verify your booking. Click "Book It!" if you wish to continue. If you chose to book the room, another popup will inform you that the reservation was made successfully.

LeoBook User Guide   4

Use Case Diagram

LEOBOOK USE CASE DIAGRAM   CS 455 Software Engineering

Super User

- Create Any Reservations
- Update Any Reservations
- Delete Any Reservations
- Change User Settings
- Change Room Settings

User

- Create My Reservations
- Update My Reservations
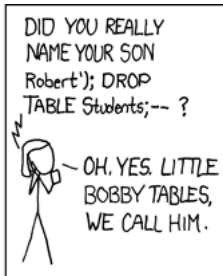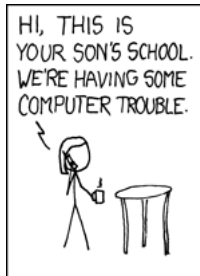- Delete My Reservations

Use Cases

- User Maintain Reservations
- Super Admin Maintain Reservations
- Change Room Settings
- Change User Settings

Security

Login

Login

- UNA account username and password
- Authenticates through LDAP