Roberts Mountain Shop Management System
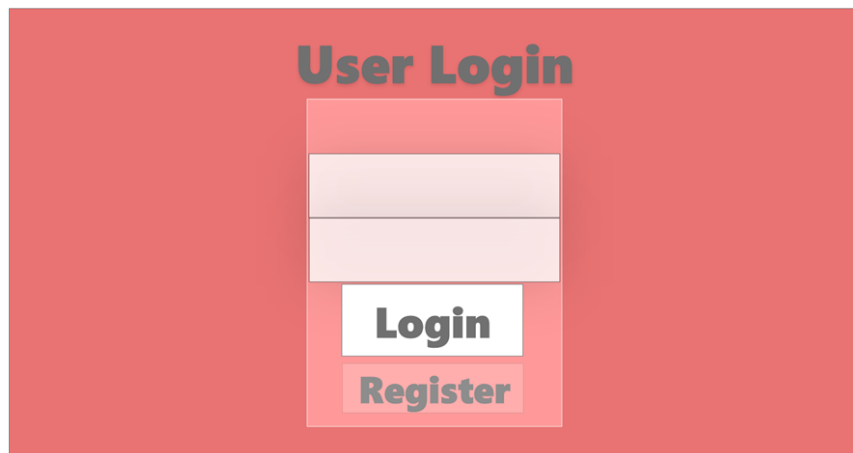
Author: Robert Renecker

Project Description

This management system will help a worker at Robert's Mountain Shop better facilitate the renting of various mountain items to a customer. It will keep track of who the customer is, what they have rented and various other attributes that follow along with a rental contract.
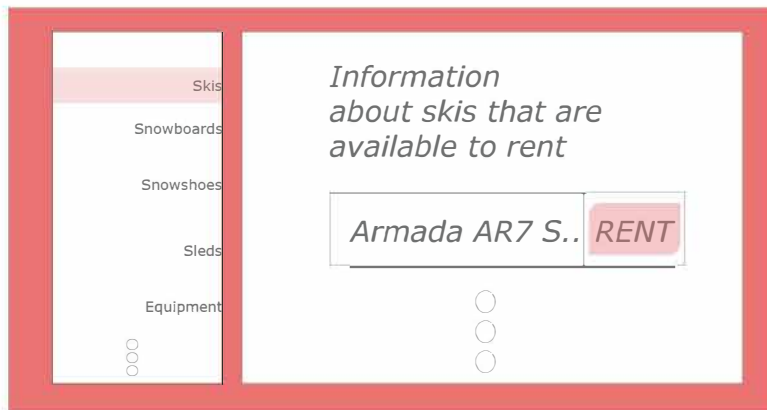
Requirements

User Requirements

Use case ID	Use Case Name	Primary Actor	Complextity	Priority
1	Create Account	Generic User	Low	1
2	Search Available items	Generic User	Low	1
3	Return an item	Customer	Medium	1
4	Rent an item	Customer	Medium	1
5	View current rentals	Employee	Medium	2
6	Report lost item	Generic User	High	3

UI Mockups

Mockup #1	Associated Use Cases -- ID = [1]

| Mockup #2 | Associated Use Cases = — ID = [2, 4] | |

Class Diagram

Create a class diagram containing: what relationships the classes have, their attributes and (public) methods, what design patterns you may already know about are present in your design, etc. Be sure to show the visibility modifiers and relationships between the classes.

1. Focus your class diagram on the classes you need to create.
For classes from Java or another library: You can specify an inheritance or composition relationship if it helps but do not put all the attributes/behaviors of the framework classes into the diagram.
For example,
If I was using Java Swing I could simply specify "submitBtn : JButton" as an attribute in one of my classes without drawing the JButton class. If I want to make use of Java's Observer interface, I may draw the Observer interface in the class diagram to show a class implements it.
2. Show all classes you are coding, including attributes, methods, visibility modifiers, relationships to other classes.
3. Show relationships between all classes. No floating classes.

Class Diagram for Roberts Mountain Shop

robertrenecker | October 12th, 2018