Project Proposal

CS:3380

Hofer et. All

Project Description

Our project will be focused on linking together an inventory management database with a front end service for the Mizzou Student Unions. The backend will be a MySQL database that will contain entities as defined in the attached ERD. This will interface with a web based application. This front end will allow for a user to edit the condition of an item, add notes to an item, display all items in the system, and other features as defined later. All desk locations will interface with the same database to keep the data up to date.

Project Features

* Individual Items
  + Section to add/view notes
  + Section to view/edit condition of item
  + Send automated email to SAS IT if item is flagged as broken
  + Show what location it was checked out at/checked in at
* Item Classes
  + Be able to edit items
  + Custom time limits for items
  + Assign tags to items
* Individual Students
  + Show if user filled out waiver
  + Store student id in a salted hash
* Location
  + Be able to add/edit locations
* Web application
  + All items may be viewed in inventory tab
    - Each item will have a flag to show if they are broken or not
    - Each item will have a flag to show if it is checked in/out
    - Add a note to an item
  + Be able to switch tabs between SC and MU
  + Easy renewal button for items
  + Look up student and see all items checked out by them
  + Pop up reminder when item is overdue
  + Add an item
  + Create/edit item classes
  + Add a tag to an item class
  + Add/remove/edit locations
  + Create a new tag
  + Edit student info

Team

* Justin Hofer
  + Project manager
  + Develop layout and functionality of project
  + Facilitate communication and division of labor
  + Connect database components and frontend/backend
* Holt Skinner
  + Handle main inventory

Required from Client

1. How do you identify individual items (i.e.: using an id for each)?
2. How do you identify individual locations (by name, something else?)
3. Do you want separate support emails for each location?
4. What is included in an item tag?
5. What things do each item group have in common (time limit for a quick checkout, what else)?
6. What are you using to identify students?
7. What info other than waiver status would you like to store about each student?
8. Would you like to store each instance of a student checking out an item, its condition, etc.?
9. Would you like to have 1 note per item, or multiple notes?

