Colin Pade
3/16/2011
CPE 491 - Status Report

Current Status:

ChemicalMe is finalizing its development and design. Kelly has a proposal I prepared for her and is talking with the head of the chemistry department currently.

I started the coding phase on the virtual machine I have from the CS department. This starts the application side of the project. I’m trying to get a prototype done as soon as possible to give Kelly something to see and critique.

Use Cases:

<table>
<thead>
<tr>
<th>Use Case ID</th>
<th>Use Case Name</th>
<th>Use Case Description</th>
<th>User</th>
<th>Pri</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Adding</td>
<td>Adding a chemical to the DB</td>
<td>Admin, Teacher</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Removing</td>
<td>Removing a chemical from the DB</td>
<td>Admin, Teacher</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>Editing</td>
<td>Editing a chemical from the DB</td>
<td>Admin, Teacher</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Check Out</td>
<td>Checking out a chemical to use from the DB</td>
<td>Admin, Teacher, TA, Student</td>
<td>2</td>
</tr>
<tr>
<td>5</td>
<td>Check In</td>
<td>Checking in a chemical to the DB</td>
<td>Admin, Teacher, TA, Student</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>Searching</td>
<td>Searching for a chemical to learn about in the DB</td>
<td>Admin, Teacher, TA, Student</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>Browsing/Filtering</td>
<td>Browsing by certain qualifiers to try and find a chemical in the DB</td>
<td>Admin, Teacher, TA, Student</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>AdminCP</td>
<td>The control panel for administrators to update ChemicalMe and it’s functions</td>
<td>Admin, Teacher, TA, Student</td>
<td>1</td>
</tr>
</tbody>
</table>

Battle Plan:

Week 1: Practice PHP MySQL
Week 2: Temporary website talking with database online
Week 3: Complete Adding, AdminCP. Present to Kelly.
Week 4: Complete Editing, Browsing/Filtering
Week 5: Complete Removing, Search
Week 6: Complete Check In, Check Out, Present to Kelly
Week 7: Week for catch up if needed or Upgrading Kelly’s Critique's
Week 8: Chemical Me Beta goes live for Chemical Department
Week 9: Fix reported errors that occur
Week 10: Extra time to address additional issues

Database Structure:

Chemicals: Name, Case#, Molecular Weight, Location, Vendor, Common Names, Physical State, pH Level, Oxidizer, Reducer, Refrigerated, Organic vs. Inorganic

Transactions: Date, Chemical, Amount, User, Checking In/Out

Users: Name, Room, Join Date, User Level

Vendor: Name, Phone Number, Address of the Vendor, User Added

Locations: Name, Room, Owner, User Added

Chemical db will be linked to the Transactions db via the chemical name. The User db will be linked to the Transactions db via user name. The User db will be linked to the Vendor db via the user added column. The user db will be linked to the locations db via the user added. The vendor db will be linked to the chemicals db via the vendor column. The locations db will be linked to the chemical db via location.