

Homework Set 4

COSC552 HCI

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A

The icons used are the open source Silk Icons from <http://www.famfamfam.com/>. The interface was created with wxFormBuilder (<http://wxformbuilder.org/>) using the wxWidgets (<http://www.wxwidgets.org/>) library in C++.



Figure 1: The main programs menu screen showing the home screen. Selecting a menu item will change the panel to that screen.

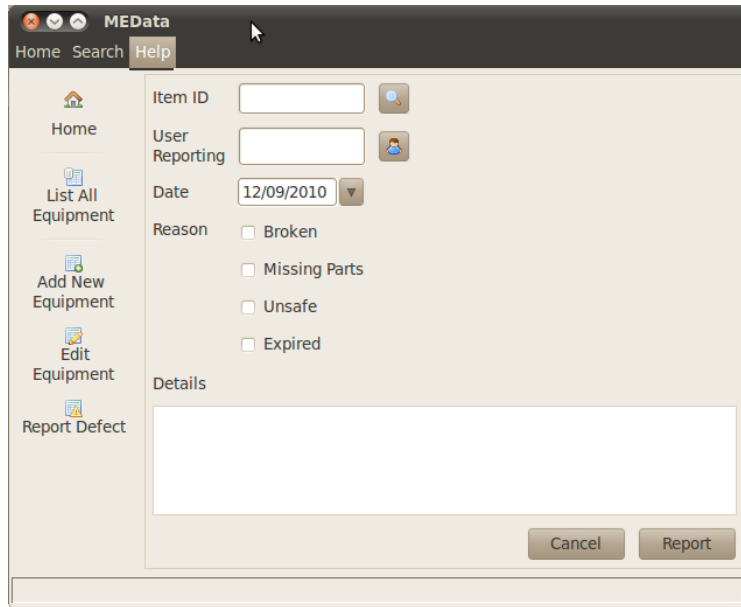


Figure 2: Here the user can input a defective item into the system. The user can look up the part number from the item lookup dialog. The user can also do a look up on there user name and select the date from the date picker. The user name is defaulted to the user that is logged in. The date is defaulted to current date. The reason for the defect can be selected, and the user can enter more details if needed.

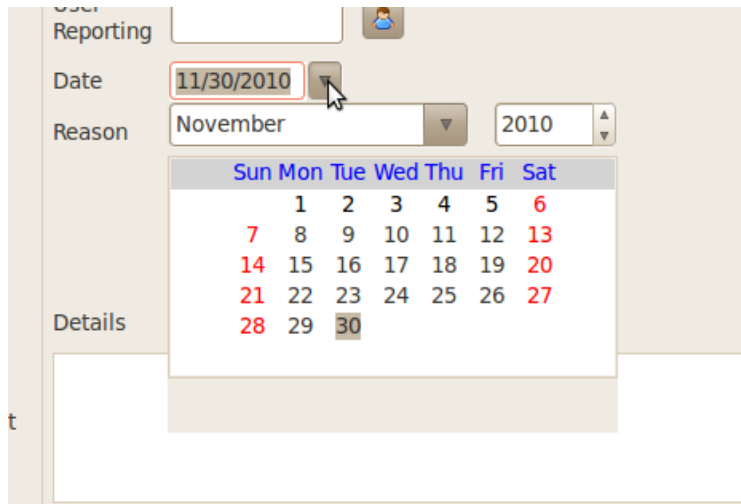


Figure 3: The date picker in action.

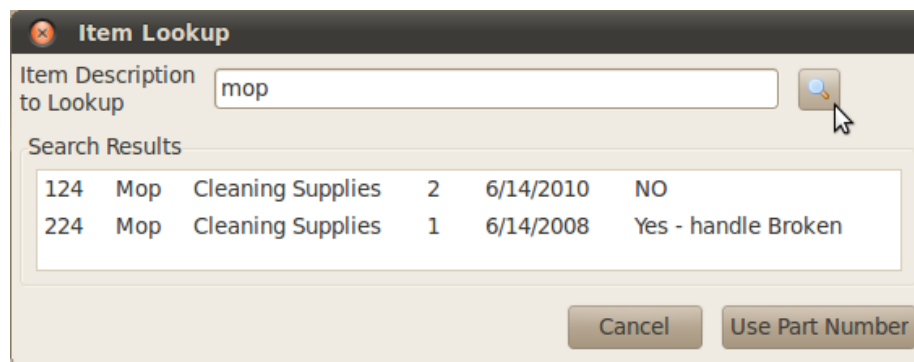


Figure 4: The item lookup window is used to help search for a part number in the equipment database. The users enters a search term to search for. If any results are found they are displayed in the results window. The user can select an item and click the Use Part Number button. The part number will be entered into the correct field.

B

The screenshot shows a software window titled "MEData" with a menu bar containing "Home", "Search", and "Help". On the left is a sidebar with icons and labels: "Home", "List All Equipment", "Add New Equipment" (highlighted), "Edit Equipment", and "Report Defect". The main area is titled "Add New Equipment" and contains the following fields and controls:

- Part Number:** A text box containing the value "1234".
- Part Name:** A text box with a dropdown arrow on the right.
- Acquired Date:** A date picker box showing "12/09/2010" with a dropdown arrow.
- Description:** A large, empty text area.
- Item Type:** A group of radio buttons and an "Other" field:
 - ☒ Emergency Equipment
 - ☐ General Equipment
 - ☐ Lab Equipment
 - ☐ Office Equipment
 - ☐ Pharmacy Equipment
 - ☐ Other: [text box with dropdown arrow]

At the bottom right of the form are two buttons: "Cancel" and "Add New Part".

Figure 5: This window allows the user to add a new piece of equipment into the database. The part number is generated automatically for the user. The user enters a part name, or can select for the drop down one of the most common part names. The user enters the acquired date of the item, and input more details about the part. Last the user selects an item category for the part. They can also use other and enter a new category.

MEData
Home Search Help

Home
List All Equipment
Add New Equipment
Edit Equipment
Report Defect

Edit Equipment

Part Number: 124

Part Name: Mop

Acquired Date: 06/14/2010

Description: Mop used to clean the office

Item Type:

- ☐ Emergency Equipment
- ☐ General Equipment
- ☐ Lab Equipment
- ☐ Office Equipment
- ☐ Pharmacy Equipment
- ☒ Other: Cleaning Supplies

Cancel Update Status

Figure 6: The edit equipment screen is the same as the Add New Equipment screen. This makes it easier for users to learn how to handle equipment.

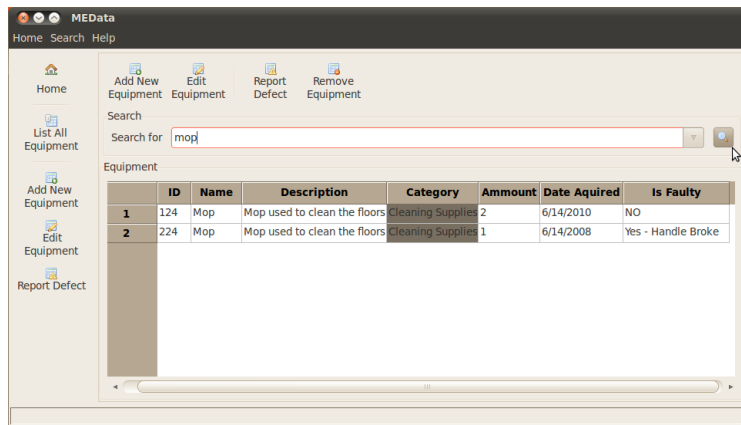


Figure 7: This screen lists all of the equipment in the database. Table drawing was not working at this time. With this screen the user can add, edit, report a defect, or remove a part from the database. The user can search and sort the database as needed.

C

MEDData is a medical inventory database system. It is used to track your clinic's inventory. The program starts at the home screen. The home screen reflects the choices you can make on the sidebar. You can start by clicking on the List All Equipment button. The main panel will change to the equipment list screen. From here you can see everything thats in the database. You can add new parts, edit a part, report a part as defective, or remove a part from the database. You can also run searches on parts, or sort the parts list.

Help for this program would include online help, when the user enters invalid data into a field to will be marked, and the user will have to correct the data before they can move on. Help will also be available from in program help menu. The help menu will also the user to run a training session, search the help system, or read the PDF version of the offline documentation.