Preliminary Design

School of Science
Network Device Display System

Prototypes

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The login page is the first page shown to the user. After entering a valid username and the corresponding password, the user will be taken to the room view page for their room.
Login Fail Page – Invalid Password

The user will be shown this page if they enter a valid user name, but an incorrect password. They are given the choice of attempting to login again and will be sent to the Login Page or they can contact the Administrator to retrieve their password by clicking the forgot your password link.
The user will be shown this page if they attempt to login with an unknown user name. They are given the option of attempting to login again or to contact the administrator.
The floor plan page is displayed whenever the user wants to find a room through the floor. From this page, the user can select a room or make a search of devices in the system.
This is the Room “View Mode” for Faculty and Custom Users. From this screen, the user can view details of any device within the room for which they have permission.
This is the Room “View Mode” for Administrators. From this screen, the administrator can view details of any device within the room (in the above instance, Roger Bacon 348). The administrator can also switch to Edit Mode. Also, non administrative users with permission to view the room will be listed.
Edit mode is accessible to only Administrators. In terms of the room display, the only difference from “View Mode” is that the room note displays where the device details were previously listed. While in Edit mode, an Administrator can move devices within the room, move devices to other rooms, ping a device to ascertain that the device is connected to the network, search for new devices, and edit the room note.
Search for New Device Page

From Edit mode, Administrators may access the “Search for New Devices” page, which will list any devices recently added to our clients’ database which haven’t been given a geographical location. From here, the Administrator can place any of the devices in either the current room (here Roger Bacon 348) or in any other room.
After selecting an Item in the “Room Edit” Page and clicking the “Move to other room button” or by selecting the “place elsewhere” link on the “search for new devices” page they will be brought to the Place device page. From here they can place the device selected in any room in Roger Bacon or Morell Science Center.
If the administrator enters an invalid room number on the place device page they will be brought to this page and prompted to place the device again.
Browse Users Page

This is the first page administrators will see when they access the control panel. From here administrators can access User Account pages, View user’s rooms, search users or navigate to the add user page.
User Search Results Page

If a user search is successful the administrator will be sent to this page where they have the option of navigating to the User account page or to search again with different search criteria.
Failed Search User Page

If a user search does not return any results, the administrator will be directed to this page where they have the option of searching again with different criteria.
If they decide to search by different criteria the Administrator will be sent to this page where they can search by user type and name.
User Account Page

The administrator will be brought to this page from either the “Browse User” page or from the “User Search Results” page. From this page the administrator will be able to change a user’s: room, user type, password as well as be able to view their permissions and change those permissions.
From this page an administrator will be able to change any selected user’s room.
From this page an administrator will be able to change any selected user’s password.
Change Password Fail Page

If the administrator enters passwords that don’t match they will be directed to this page and prompted to enter the password again.
Failed Search User Page

From this page an administrator can change any selected user’s type to either: faculty, custom or administrator.
On this page administrators will be able to view any room and detail permissions that are allowed to a selected user. They will also be able to access the change permissions page from here.
From this page administrators can add or remove room and detail permissions for a selected user.
Add User Page

This is where the Administrators can add users. Information needed for users include Username, Password, Room, User Type, Room Permissions (if user is Custom or Faculty), and Detail Permissions (if user is Custom).
Add User Page – Fail Password

The administrator will be directed to this page if they do not enter matching passwords for a new user.
The administrator will be directed to this page if they do not enter a valid room number for a new user.
The basic search page will allow users to search for devices in the database. They will be able to search by floor, room and by one inventory field.
The advanced search page will allow users to search for devices in the database. They will be able to search by Device type, floor, room or any of the inventory fields. Only inventory fields which have an entry in them will be searched for and the user can choose to either search the relevant inventory fields by an and search or by an or search of the fields.
If a device search is successful the user will be directed to this page where limited information about the devices found will be displayed. The user will have the option of viewing more information about the device or viewing the room it is located in.
If a device search is unsuccessful the user will be directed to this page, where they will have the option of searching again with different criteria.