

Phase III Action Items
Organizational Alert System

For
CS 895 MSE Project
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The following are action items identified during the phase III presentation to the Project Committee.

1. **Include client IP address in alert log** - The physical IP address should be included when logging client calls to the database.

I have added this

2. **Passwords should be sent encrypted before transmitting** - I was sending username and password in plain text

This has been changed. The password is now encrypted and both username and password are sent via page headers so they are not part of the Get request.

3. **Add detail to the database diagram** - Detail needs to be added to the database diagram to include a) user links, and b) an IP address column for storing of the calling client IP address.

This has been updated to

4. **Interface diagram update and corrections** - My interface diagram was missing some of the connections.

This has been done and the Architecture Design Document has been updated

5. **Class diagram update and corrections** - The Class diagram needs to define multiplicities of classes and inter-class relationships.

The program was refactored to break some objects out into their own classes. This makes the program logic easier to follow. The class diagram has been updated to reflect the changes, and relationships and multiplicities are now shown.

6. **Sending alarms without launching the browser** - Currently, users must launch and maintain a running instance of a web browser to use the software. Implement an interface which does not require an users to open a browser.

The user can now trigger alarm messages directly from the Systray Icon menu

The following are action items identified during Formal Technical Inspection

1. UI Improvement: Make the pointer change over clickable items

This has been done. Pointer now changes to a hand over clickable items

2. UI Improvement: Implement expanding Divs for compartmentalizing customizations

This has been done. The Add User section and the Change Alarm Titles section now load as display:none and toggled on by the user.

3. UI Improvement: Make the Textboxes a different color so it is clear where they are

This has been done. The textboxes are now white with black text

4. UI Improvement: Paginate the Notifications Table

This has been done. The Notifications page now paginates with a max of 20 records on one page

5. UI Improvement: Display all active alarms (or change the wording to indicate only 1 alarm can be active)

This has been done. The resource now allows all alarms to be active at once, and displays a dashboard where color coded signals flash to indicate which alarms are active

6. BUG: activateAlarm4 resource activates the correct alarm but inserts alarm3 into the notifications table instead of 4.

This has been done. The insert statement had the wrong number for this resource.