

Test Plan
Organizational Alert System

For
CS 895 MSE Project
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Introduction

This document provides the checklist to be used by peers for the formal technical inspection. The artifact inspected will be the Web API. The inspectors will verify that the Web API meets the critical requirements specified in the Vision Document and Test Plan.

Information for Inspectors

This project is designed to be a silent alert system for organizations. In the event of an active-shooter or other situation, any user can trigger a silent alarm and a pop-up message will flash on the screen of all computers in the organization. There are 4 customizable alarms and one quick message button. All clients query the server every 8 seconds to retrieve the alarm state.

The system consists of a web server, a Rest API, and a java-based client program. You will be evaluating the web application. Instructions for accessing the server will be provided in the email accompanying this document.

The web application implements the following critical requirements:

- CR1. Each alarm button will trigger an alarm state
- CR2. One button will stop all alarms
- CR3. Users can customize alarm messages
- CR4. Users can see a log of all alarm activity
- CR5. Rest API provides most recent active alarm

Inspection Checklist

Inspection Item	Pass/Fail	Comments
CR1 Each alarm button triggers an alarm state Notes: Alarm buttons are on the Send Alarm page. Notification box on Send Alarm page shows active alarms.		
CR2 One button will stop all alarms Notes: Stop alarm link on top		

<p>navigation bar will stop alarms. Notification box on Send Alarm page will show No Active Alarms.</p>		
<p>CR3 Users can customize alarm messages</p> <p>Notes: Alarm messages can be changed on the Customize Application page.</p>		
<p>CR4 Users can see a log of all alarm activity</p> <p>Notes: Log can be seen on the Notifications page.</p>		
<p>CR5 Rest API provides most recent active alarm.</p> <p>Notes: The raw XML output of the Rest API can be seen in a browser by going to <code>/resources/alarms.php</code>.</p> <p>Alternatively, the in-page notification on the Send Alarm page uses the API, so you can rely on that.</p> <p>Verify that the API output reflects the most recently triggered alarm.</p>		