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SR82355 Requirements
Web EDB Inquiry Re-write

Objective:

Re-write the existing Web EDB Inquiry application using the Java programming language. At this time, the only functional enhancement is to remove the display of the Social Security Number from the pages.

Project Type:

This project involves modifications to the Web EDB application.

Requested by:

Payroll Coordination

Analyst:

Beth Burkart

Due Date(s):

The rewrite should be completed as soon as possible, but by the end of 2009 at the latest.

Background

The Web EDB Inquiry application was developed in an effort to provide a more user-friendly alternative to the CICS screens accessed by campus departmental users (see R1420, April, 2002). The application was initially written in the Net.Data programming language.

A plan was already underway to re-write the application, because Net.Data is no longer a supported technology. The timeline of the re-write has now been accelerated due to security concerns related to the technology.

Current Process:

The Web EDB Inquiry application was initially developed using Net.Data. Security vulnerabilities identified by UCLA were addressed in releases 1829 (7/08), 1832 (8/08) and 1834 (9/08). Although these particular security holes were patched, there is still a concern that the Net.data platform does not provide the same level of security as the Java platform.

Social Security Numbers are currently displayed on the pages.

Proposed Process:

The Web EDB Inquiry application should be re-written using the Java programming language, in order to provide more robust security. In addition, the web-based Payroll Personnel System Logon and Main Menu screens should be re-written from Net.Data to Java. This rewrite should not result in any changes to the application's functionality.

Social Security Numbers should no longer be displayed on the Web EDB Inquiry pages. The functionality that allows users to search for an employee by Social Security Number should remain unchanged.

Change Requirements

This is a technical rewrite, and does not involve functional modifications, with the exception of the Social Security Number display.