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Banner Faculty and Advisor Self-Service
Release Guide

Release 8.7.1
February 2015

Revision History

Publication Date	Summary
February 2015	New version that supports Banner Faculty and Advisor Self-Service 8.7.1 software.

Contents

Introduction

The Banner® Faculty and Advisor Self-Service 8.7.1 release contains updates to self-service pages for the following enhancements.

- Security Scan Error Handling

- Self-Service Data Validation

Updated Security Scan Error Handling

The security scan report lists several types of errors. One type applies to Self-Service pages where exception handling is not present or is not performed properly. The following Oracle errors are in this category.

- ORA-01403 - *No data found.*

- ORA-I06502 - *PL/SQL: Numeric or value error: character string buffer too small.*

- ORA-06502 - *PL/SQL: Numeric or value error: character to number conversion error.*

- ORA-01858 - *A non-numeric character was found where a numeric was expected.*

Code for exception handling has been added to Self-Service pages as appropriate. Updated error messages display the page title and the error text and are more informational for the user. The Oracle error number is not displayed. For example, *Error occurred while processing final grade changes. ERROR: No data found.*

Numerous BWLKXXXX packages and the associated procedures have been updated for these changes.

Self-Service Data Validation

The possibility existed for inappropriate information to be displayed in Banner Self-Service pages. Banner Web Tailor has added validation checks to prevent unsanitized HTML from being executed or injected into the pages. Data from HTP calls is now validated before being sent to the Self-Service pages and displayed to the user. The exception to the validation checking is data that is user-defined, such as Information Text (HTML).

See the *Banner Web Tailor 8.6.1.1* patch documentation for more information.

There are three main types of Self-Service data entry that are validated:

- When invalid characters are entered directly into a Self-Service page, an error message is displayed to the user to re-enter the data or contact an administrator.

- When field values are included in a URL, the system displays an access error message or a cross site scripting error.

- When a modified HTML file is used to load invalid data, the system displays an error and code information for the failed execution.

Numerous BWLKXXXX and BWCKXXXX packages and the associated procedures have been modified to use the new validation checks.