

Getting Your Hands Dirty with KFS

KFS Hands On Developer Introduction

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October 14, 2012

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Overview

- ▶ About the Class
 - ▶ Virtual Machines
- ▶ Exercises

Exercise 1: Import Project

- ▶ Goals
 - ▶ Introduction to Eclipse and KFS
 - ▶ Understand importing KFS into Eclipse from source
- ▶ Tasks
 - ▶ Import KFS into Eclipse

Exercise 2: Database Setup

- ▶ Goals
 - ▶ Familiarize with the impex tool
 - ▶ Understand how to configure the impex tool
 - ▶ Learn how the exported database is structured and loaded
- ▶ Tasks
 - ▶ Locate impex within the workspace
 - ▶ Modify the impex-build.properties to create a new database
 - ▶ Begin the database import process

FERPA Certification

- ▶ Used to process what people have been FERPA certified
- ▶ Allows us to use verify FERPA certification from other documents
- ▶ Not a real FERPA implementation. Just an example on how MaintenanceDocuments and Business Objects in KFS can be used.
- ▶ Setting up routing based on FERPA Certification

Exercise 3: Create Business Object Table

- ▶ Goals
 - ▶ Understand how the OR/M, DataDictionary, and Java classes map class information and metadata for Business Objects and Documents
 - ▶ See common patterns for creating tables in KFS
 - ▶ Understand naming conventions
- ▶ Tasks
 - ▶ Create a database table with constraints

Exercise 4: Setup Business Object

- ▶ Goals

- ▶ Understand how the OR/M, DataDictionary, and Java classes map class information and metadata for Business Objects and Documents
- ▶ Learn patterns for creating Business Objects
- ▶ Understand controls, lookups, and inquiries and how to configure them

- ▶ Tasks

- ▶ Create a FerpaCertification class
- ▶ Create a DataDictionary BusinessObjectEntry

Exercise 4: Create Maintenance Document

- ▶ Goals
 - ▶ Understand how the OR/M, DataDictionary, and Java classes map class information and metadata for Business Objects and Documents
 - ▶ Learn how to add fields to a document and modify controls.
- ▶ Tasks
 - ▶ Create a DataDictionary MaintenanceDocumentEntry

DataDictionary Demystified: Business Objects and Maintenance Documents

- ▶ MaintenanceDocuments are simplifying the user interface design of a document/page.
- ▶ BusinessObject entries are for describing metadata about the business object for use in other documents/objects. Some of the information may not be necessary for a document.
- ▶ BusinessObject entries also define metadata about lookups and inquiries.

Exercise 5: Basic Routing

- ▶ Goals
 - ▶ Understand how to create and then ingest workflow doctypes
- ▶ Tasks
 - ▶ Create a workflow doctype for FerpaCertificationDocument
 - ▶ Ingest the workflow doctype into Rice using the ingester

Exercise 6: Split Node

- ▶ Goals
 - ▶ Learn about how to create more complicated workflows based on decisions and document information
 - ▶ Understand what java and xml needs to be modified for split nodes
- ▶ Tasks
 - ▶ Add split node routing information to the doctype
 - ▶ Add a method to handle split nodes to the document