

The Consortium Web Application A Case Study

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Agenda

- The Problem
- Existing System
- Overview of Solution
- Managing Members
- Reference Document Workflow
- Mail Merge Document

The Problem

- Need to produce list of all the publications produced by Cancer Consortium (FHCRC, UW, Children's Hosp) members
- FHCRC Library takes care of gathering references but there's quite a bit of post-processing needed to get lists of references for each program
- For each reference, need to note how many are intra-programmatic and how many are inter-programmatic and annotate the authors accordingly
- Some members are members of more than one program but for each reference, we need to attribute them to only one program

Existing System (pre-2009)

- Monster spreadsheet in Excel to manage members
- Director's Office would contact each program to ask for list of references which would arrive in batches
- The references would need to be cleaned up since they would come in different styles
- References would need to be tagged for intra-programmatic and inter-programmatic involvement
- Lots of cutting and pasting later, the reports would be done

New System

- Library would do search
- Found references would be run by programs for error checking
- Library would export final set of references which CDS would import into SQL Server
- CDS would also import member spreadsheet from Director's Office
- Member-references with multiple programs would require program designation
- Mail merge report would be produced using SQL Server Reporting Services

Member Management

- Default.aspx
- GridView / FormView
- Interesting Code
 - Reset Author Name
 - Regular Expression Validator
 - Check box to suspend regular expression validator

Reference Document Workflow

- Used table to track dates
- Code attached to GridView's ItemCommand fires off various routines

Generating Reference-Program-Member List

- **procGenerateReferenceMemberProgram**
 - Inserts records from **vwReferenceMemberProgramPlusForTableInsert**

Determining Pgm for Multi-Pgm Members

- **DetermineProgram.aspx**
- Employs DevExpress ASPxGridView
 - Has nice feature which lets you group rows

Mail Merge Report (1 of 2)

- **rptMerge**
- **Three Datasets**
 - **dsReferences** – references
(**procRptMailMergeDetailForProgram**)
 - **dsHeader** – supplies header text
(**procRptMailMergeHeaderForProgram**)
 - **dsPrograms** – supplies program drop-down
parameter

Mail Merge Report (2 of 2)

- **rptMerge**
- txtReference in Detail contains an expression which employs SSRS 2008's support for rich text using HTML
- procRptMailMergeDetailForProgram adds markup to the **AuthorsMarkup** field

Thank You!

- Slides can be downloaded from
 - cds.fhcrc.org