A lightweight digital library framework
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Introduction
Digital Library System services and storage tools have evolved and become complex, effectively making them difficult to maintain, extend and reuse. This is a phenomenon common in environment with limited resources.

One proposed solution is the implementation of a lightweight Digital Library framework for simple online or offline digital archives. The proposed framework has been given the name simplyCT and forms the basis for this research.

Objectives
• To investigate the feasibility of implementing Digital Library Systems using simple architectures
• To define simplicity for Digital Library System storage and service architectures
• To compare simple architectures with complex architectures

Methodology
• A preliminary study involving implementing a rudimentary digital library collection prototype is currently in progress
• A theory derivation process will be aided by a case study of existing Digital Library Systems
• The simplyCT principles will be derived and a mapping done with results from the case study
• A proof of concept prototype Digital Library System will be implemented and integrated with various real world digital collections

Evaluation
• The overall research assessment will be based on a three axis evaluation strategy
• The efficiency will be evaluated using a series of controlled experiments
• The effectiveness will involved integration of the prototype Digital library system with real world collections
• The usefulness will be evaluated using user studies

Current work
• Digital Library static collection prototype
• Collection has a total of 19,745 images (~6.5GB)
• Dublin Core Application Profile has been created
• Uses qualified Dublin Core Metadata Specification
• Metadata objects linked using relation element
• Makes use of a hierarchical file store

Anticipated outcome
• A formal Definition of simplicity for Digital Library System design
• A proof of concept Digital Library System
• A comprehensive set of unifying concepts behind simplyCT framework

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