TopCAT

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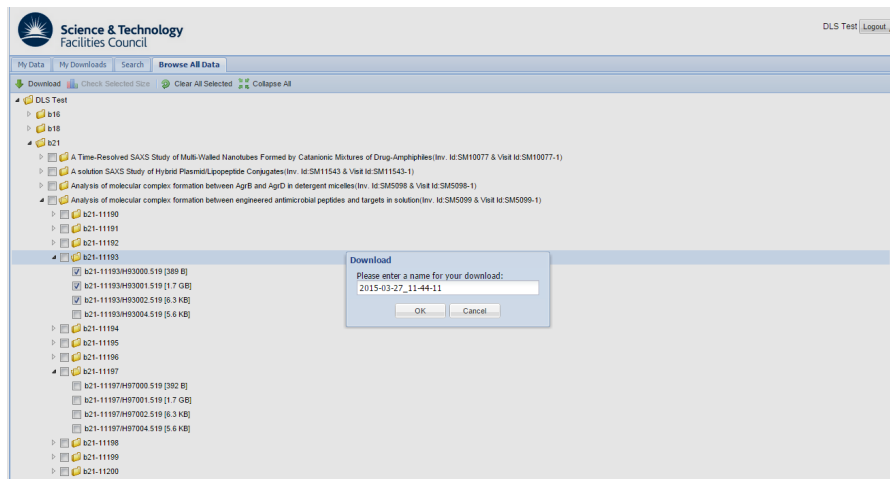wayne.chung@stfc.ac.uk

Overview

- What is TopCAT?

- Why TopCAT v2?

- About TopCAT v2
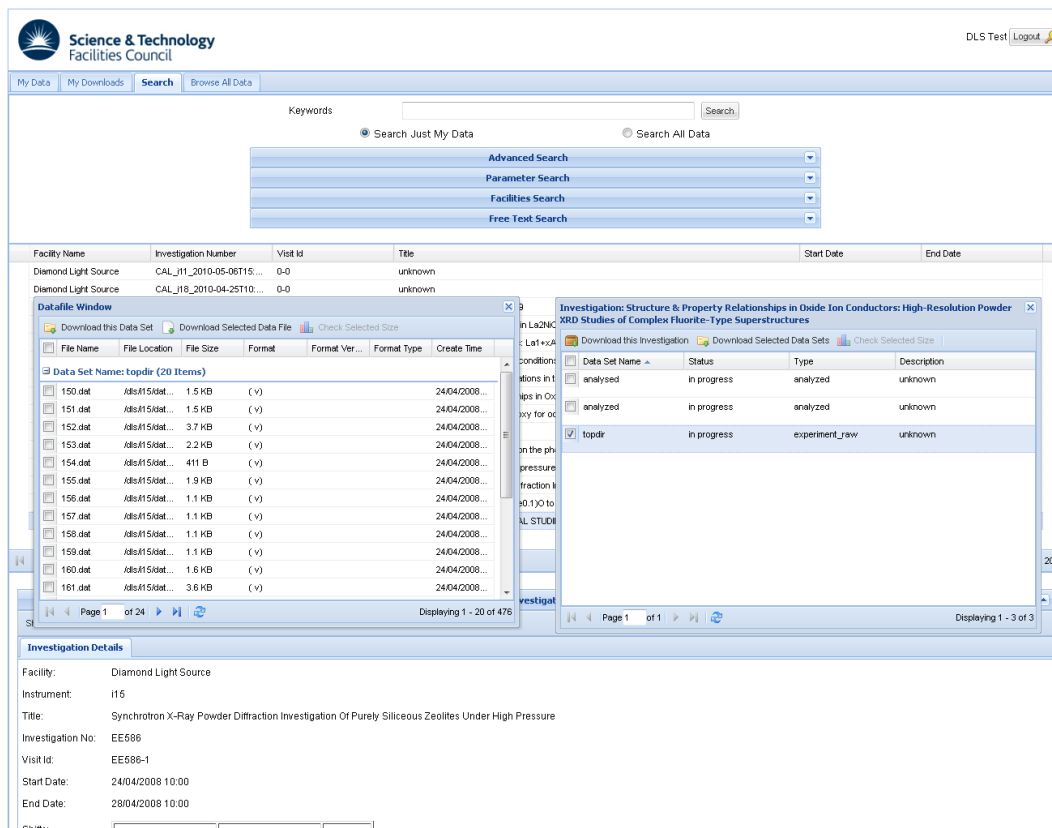
- TopCAT v2 Demo

- Questions

What is TopCAT?

- Web based GUI to search and download data across multiple ICAT instances.
- Provides a web interface to multiple ICATs and IDSs
- Allows users to browse for data
- Allows users to search metadata from multiple ICAT servers
- Allows users to download files from IDS servers
- Ability to Add dataset and upload datafiles
- Developed using GWT 2.5.1 and GXT 2.3.1 for UI Widgets

What is TopCAT?

Status of TopCAT

- TopCAT 1.12.0
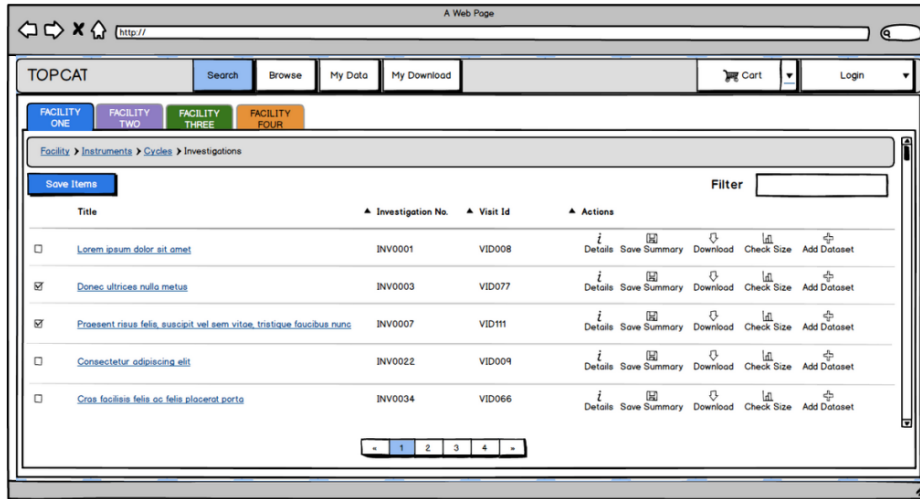- Support ICAT 4.3+
- Support for IDS 1.1.0+

Why TopCAT v2?

- Move away from GWT
- Current interface getting old. UI need modernising
- Different views (Tree and Window) and multiple ways of selecting and downloading files confuses users
- Improve customisation
  - TopCAT v1 Assumes a specific hierarchy:
    - Facility > Instrument > Cycle > Investigation > dataset > datafile
    - Facility > Instrument > Investigation > dataset > datafile
  - Terminology on the UI (Labels, Buttons, column title etc)
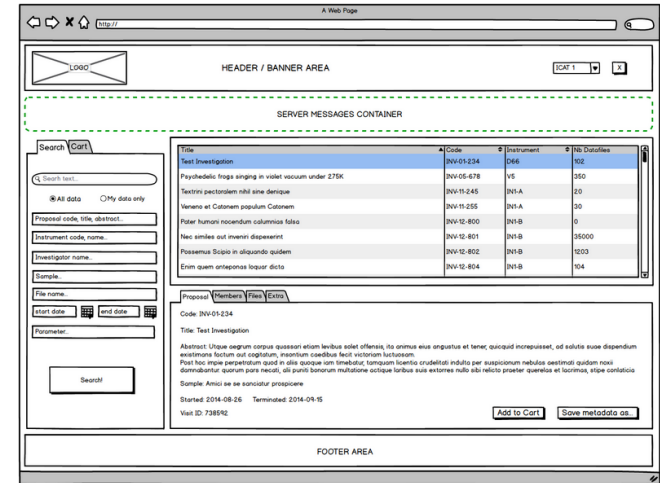- Add support for new ICAT features (Multiple facilities on single ICAT server)

About TopCAT v2

- Requirement gathering
- Mockups
- Shopping cart based
- Customisable
- Better support for facility hierarchy
- Improve searching via upcoming ICAT search API
- Developed using AngularJS
- Looking at streaming json loading (oboe.js)
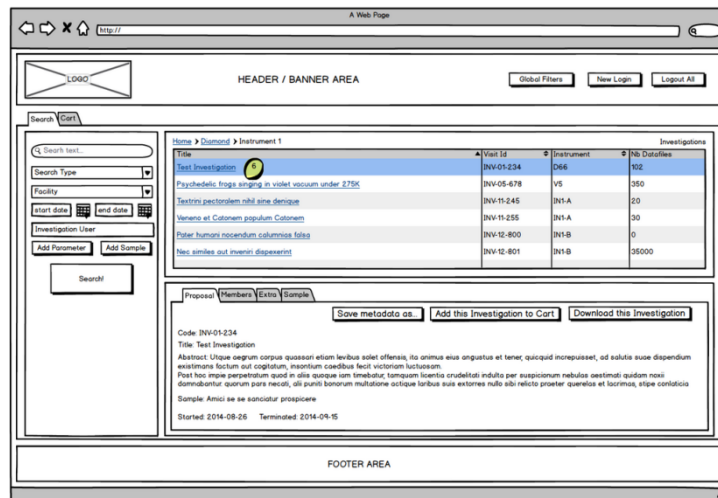- Using SCRUM to manage project
- Plan to release end of July

Mockups on Balsamiq

First STFC Mockup

Mockup by Institut Laue-Langevin

Combined Mockup

https://stfc.mybalsamiq.com/projects

Scrum Board
https://trello.com/b/4NvdElUv

Demo

Resources

- TopCAT Distro: http://icatproject.org/mvn/site/topcat/1.12.0/installation.html
- TopCAT Source: http://topcat.googlecode.com/svn/
- Installation Instruction: http://icatproject.org/installation/
- TopCAT v2 source: http://topcat.googlecode.com/svn/branches/topcatv2/
- TopCAT Mockup: https://stfc.mybalsamiq.com/projects/topcatv2-stfc/grid
- More information: http://icatproject.org/ and https://code.google.com/p/topcat/
- TopCATv2 Scrum Board: https://trello.com/b/4NvdElUv

Questions?