

# Release Description (RD)

## Data Mining of Digital Library Usage Data

### Team 07

#### Clients

Jewel Ward
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#### Team Members

Project Manager: Maxim Krivokon

Developer: Bo Lee

Developer: Genesan Kim

Developer: Vu Nguyen

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# 1. About This Release

The version of this release is version 2.0. This consists of the 3 parts: Relationship Generation, Graph Clustering, and h3viewer. The documentation consists of extensive code comments, user manual, help file, and all documents created for the cs577 class series. There is no licensing required or supplied with this release since all components are free open source that required none.

## 1.1 Physical Inventory of materials released

2 Compact Discs – Including version 2.0 of the new system, Transition Set, Support Set  
SSRD, OCD, SSAD, LCP, FRD - Papercopy

All inventory is properly credited, therefore there are no restrictions against duplications.

## 1.2 Inventory of software contents

Log2Mcl version 2.0

Mcl2H3v version 1.7

H3viewer version 1.5

Open Motif (Same version as released)

SSRD version

OCD version

SSAD version

LCP version

FRD version

Transition Set Version 2.0

Support Set Version 2.0

TPC version 4.0

CDC version 1.2

## **2. Compatability Notes**

There are no directly compatible software at the moment. The application was released as a integrated stand alone application, therefore due to direct modifications within all components, no known software yet is compatible with our new system. Take note that this release is somewhat of a 'research tool' release. It was built for a specific purpose and does not serve the purpose of being compatible with other tools of use.

## **3. Upgrading**

Upgrading can be performed by modifying the source code, then re compiling. No upgrades have been complete as of yet, and it is either up to the client or continuing support from the development team, which is still tentative. Upgrading will be in the area of either graph clustering, or GUI design. The input format and output formats of each component should be the same, thus no data conversion is required for upgrades.

## **4. New Features and Important Changes**

This section provides differences between previous releases.

### **4.1 New Features**

New Features for version 2.0

- Search capability for nodes in tree

- URL link for each node

- Node information, sibling, parent, child

\*all changes made directly to GUI interface, no side effects to other areas of the system compared to previous releases

### **4.2 Changes since previous release**

Changes are the same as those described in section 4.1 of this document. There are no direct changes to the system yet except for 'new features'.

### **4.3 Upcoming Changes**

Upcoming Changes are still unknown. Whether or not a future release is tentative is not known, and no considerations have been made.

## **5. Known Bugs and Limitations**

As of version 2.0, the input limitation for the data log file is 150,000 data entries. This is due to our test plan. Nothing more than 150,000 data entries have been tested due to the limitation of data provided by the client.

No other bugs are known by the development team at this time.

## **6. Defect and Change Request Reporting Procedures**

For change requests, problems, and defects, contact:

[krivokon@usc.edu](mailto:krivokon@usc.edu), Maks Krivokon

This contact is the team manager for the development team, and will service as a point of contact of possible assistance for change requests.

## **7. Appendix**

None