Introduction

1.1 Project Overview

The DLoA system will allow historians and purveyors of the ancient arts to rediscover the vast literature and knowledge lost to us on that fateful day. The system will allow the user to search through the database for specific works, and view their status, as well as track borrowing and return records, fees for late returns, and other information. It will also be able to generate various kinds of reports, such as revenue from late fees, trends in borrowing, works that are near return date, as well as some others. Thank you for using our services!

1.2 Scope

The DLoA system will provide benefits of organization, easy tracking, selective views, generative reports based on activity. It will encompass the functionalities of a library, including checking out and in various works, the movement of works into and out of the system, and report generation. Some traditional library services that are not planned to be included in the DLoA system are a request system for specific works, community outreach, and information training.

1.3 Glossary

SQL: Structured query language
EECS: Electrical Engineering and Computer Science
KU: University of Kansas
SSH: Secure Shell
RDP: Remote Desktop Protocol
ID: Identification
DLoA: Digital Library of Alexandria

2: Choose Your Platform

We decided to use Maria DB primarily because of the ease-of-use of the platform, as well as no setup hassle and previous experience.

3: Create Your Database

The database has been created.

4: Print Your Physical Schema

The sql script containing the DDL statements used to create the database will be posted to the GitHub Repository and can be viewed there.

5: Data Population

Data Population is complete and has been verified.

6: Printing Table Contents

A document containing the tables contents as shown by the database when the command SELECT * FROM (table) was posted to the GitHub repository and can be viewed there.

7: Functionality Testing

Functionality testing was successful.