Team #2
Project Plan
Database Systems

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Version 1

Table of Contents

1. Introduction

This document will briefly outline the plan going forward with the database project. As mentioned in previous documents, the project will incorporate features from ICON, ISIS, and a library catalog into one singular website.

2. Plan

First, the biggest hurdle is selecting a programming language and designing the database itself. Since Ruby on Rails is the language we are most familiar with, we will be designing the website and the database in Ruby on Rails. Luckily, Ruby on Rails interfaces with MySQL, making it easy to build a web app on top of the already existing structure of the database..

Then, the next step is to create the general design of the database, so that we know how to organize the data into comprehensible information. This is done using an ER diagram. Tables that will be created in the database include Books, Users (which can be broken down further as Students, Instructors, and Administrators), Courses, Semesters, Departments, and Grades.

Finally, the third step would be connecting the database tables together into a website, and designing a web interface on top of it. Since Ruby on Rails is a language designed to be close to the English language, it will be easier than other languages, such as PHP, to understand and debug.

3. Schedule

Here is a basic schedule of the deliverables we plan on submitting.

Documentation Guidelines	Complete
Project Plan with Schedule	Complete
URS	Complete
Test Plans	Mid-March
ER Model	Complete
High Level Design	Mid-March
Deliverable iteration #1	End of March
Deliverable iteration #2	Mid-April