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Project Title: Bookstore Order System

Project Authorization: August 25, 2015

Project Manager: Roderick Oliver
oliverrl@my.gvltec.edu
(864) 315-7717

Project Scope:

Bookstore Order System is a web application that will allow staff to lookup, add, and /or edit book orders based on assigned roles. Order information, such as textbook and publisher, user information, such as job roles and access levels, will be stored in a SQL database that is backed up on a daily basis. The Bookstore Order System will provide comprehensive reporting using stored procedures that will provide an email friendly, printable output, and will provide the bookstore, lead instructors, and the department head, a tool to manage all approved textbooks ordered for courses offered to students.

Key Objectives

- ◆ Provide role-based authentication
- ◆ Ability to lookup, add, or edit orders quickly
- ◆ Ability to re-submit previous textbook orders, based on quantity changes, to provide quicker restocking
- ◆ Provide timestamps and tracking for all orders
- ◆ Provide reports on order status and email confirmations
- ◆ Data stored in SQL server with daily backups

Key Assumptions

- ◆ Order status updates handled by bookstore staff
- ◆ Username, password, and role will be provided by the administrator

Tools Used

- ◆ Various IDEs (Notepad++, Atom, Visual Studio, etc.)
- ◆ MySQL
- ◆ PHP 5 w/PHP MyAdmin

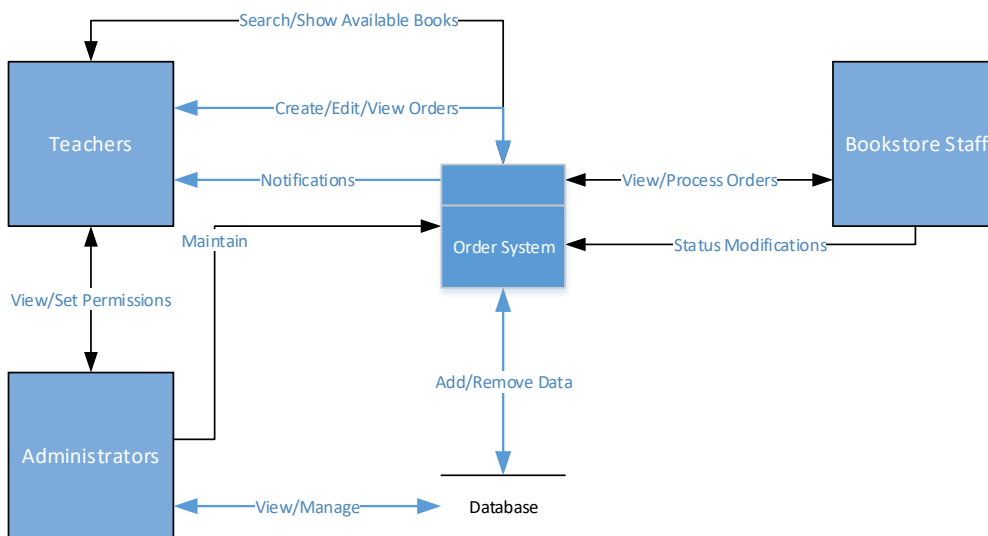


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Rough Schedule

- ◆ Database Design 3 Weeks
 - Database analysis
 - Database creation
 - Database testing
- ◆ Programming 5-6 Weeks
 - Develop Front-end interface
 - Develop Back-end functionality
- ◆ Testing 1-2 Weeks
- ◆ Writing user guide 1 Week

Criteria for Success

- ◆ Authentication allows entry and determines roles
- ◆ Set role able to perform operations at set clearance level and below
- ◆ Program is error free and meets expectations and specifications
- ◆ Intuitive front-end
- ◆ Effective information retrieval from database with appropriate front-end display

Risks and Mitigation

- ◆ Possibility of ordering incorrect textbooks and loss of lecture time
- ◆ Database may not provide referential integrity
- ◆ Third party processing may be interrupted and records may not be available
- ◆ Application may not be fully functional and ordering is delayed
- ◆ Daily backups could be lost
- ◆ Backups will be performed daily at 7 pm.
- ◆ Unwanted and unnecessary data would be purged from the database monthly
- ◆ Checkout confirmations will be required before placing orders

Change Control

- ◆ All files will be stored in a shared directory. Prior to implementation, all modifications will be done outside of the production environment.
- ◆ All team members will be notified immediately by email if any files need to be modified.
- ◆ When modifying any code all team members will backup existing files before uploading changes into the production environment.
- ◆ All modifications to the application will be documented in the code, with comments and the modifier's initials, and the updated files and the backup files will be shared with the team.



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Roles and Responsibilities

Task	David Slama	Ray Hill	Daniel Greer	Roderick Oliver
Project Management and Task Scheduling				Primary
Database Analysis	Primary	Secondary	Primary	Secondary
Database Creation	Primary	Secondary	Primary	Secondary
Database Testing	Primary	Primary	Primary	Primary
Interface Design	Secondary	Primary	Secondary	Primary
Database Interoperability	Primary	Secondary	Primary	Secondary
Testing	Primary	Primary	Primary	Primary
User Guide	Secondary	Primary	Secondary	Primary

Mission Statement

At R2D2 Technologies, our mission is to offer our clients innovative solutions that are comprehensive and unmatched in quality and performance. With a commitment to delivering superior products, R2D2 is dedicated to providing our customers with solutions that are scalable, reliable, professional, and secure, at an equitable cost.

Signed,

David Slama

Ray Hill

Daniel Greer

Roderick Oliver



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