Kyle Stacklin

Andre Rodriguez

Christopher Hinkle

Ryan Steinmets

Design Document – Group 22 COP 4710

1. Software Development environment

Front end: PHP with embedded HTML documents

API endpoints: PHP with embedded MySQL queries

Database: MySQL

1. Database Design

Four tables were used. Users were either of type Admin/Super\_admin, or of type Professor. This type variable dictated what actions they had available to them. Professors have a 1-to-1 relationship with request forms which has a 1-to-many relationship with book orders as it stores every book order the professor has. The semester table stores which semesters have had book orders and when the deadline is. Semester table has a 1-to-many relationship with Request forms as many professors can submit a request form each semester. Admins have a 1-to-many relationship with request forms as they can view all.

Diagram

Description automatically generated

1. Division of work

Kyle Stacklin: Frontend pages/connecting endpoints/api

Andre Rodriguez: API functions/ database creation/server set up/connecting endpoints

Chistopher Hinkle: API/connecting endpoints

Ryan Steinmetz: connecting endpoints

1. Meeting attendance

Kyle Stacklin: 5/5 meetings

Andre Rodriguez: 5/5 meetings

Christopher Hinkle: 3/5 meetings

Ryan Steinmets: 2/5 meetings