Phase 4 – Summary Document

1. Final Deliverables Submitted
   1. Scope and Requirements Document
   2. List of Business Rules
   3. Navicat Conceptual ER Diagram
      1. A redesign of the database was performed between Phase 2 and Phase 3
      2. Revised from original submission to a new diagram that fits with the Physical EER Diagram and Final Submission
   4. MySQL Physical EER Diagram
   5. SQL and Load Scripts
      1. Document containing all scripts used to build the schema and tables along with sample test scripts and screenshots of query results
      2. SQL file exported from WAMP
2. Requirements Fulfillment by the Database System
   1. The Database System successfully implements each Data entity required by the original requirements from Phase 1
      1. Entities include Church Attendee, Tithe, Discipleship Group, Expense, Ministry, Equipment, and Event
      2. Attendees can be associated with a Discipleship Group
      3. Attendees can have Tithes and Expenses
      4. Attendee is associated with Events in a many-to-many relationship, so an Associative Entity “Event Attendance” is used
      5. Attendee is associated with Ministry in a many-to-many relationship, so an Associative Entity “Ministry Role” is used
      6. Ministry is associated with Equipment in a many-to-many relationship, so an Associative Entity “Equipment Rental” is used
   2. The Database System successfully allows a user to perform any of the functions required by the original requirements in Phase 1
      1. Each function from the original document is demonstrated by an example from the sample queries and test scripts in the Phase 4 document
         1. Joins and Subqueries are used in certain instances when data from multiple tables are required
         2. SUM() is used to find the total Tithe and/or Expense for certain time periods
         3. Date literals are used as data types to ensure consistent formatting for a user when working with dates
      2. Functions include Event Planning and Reporting, Attendance Reporting, Expense information for Reimbursements, Tithing Reporting, Expense Reporting, and Finance/Accounting Reporting for salaried attendees to be paid