**CMSC 508 Semester Project Rubric**

**Phase 2 - 200 points possible**

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**Total:   180**

**Team #  10**

**Final documentation:**

| Criteria | Points Possible | Points Earned |
|---|---|---|
| Updated problem statement. | 30 | 30 |
| Updated Entity-Relationship diagram. | 10 | 10 |
| Updated relational design. | 10 | 10 |
| Database: SQL scripts for creating the database tables, views, triggers, and procedures. | 100 | 80 |
| Demonstration of a running database and how it successfully solves . | 50 | 50 |

**Implementation and Demonstration of a Running Database and Interface**.

1. Design and implementation of a database in MySQL in Google Cloud Platform (GCP) to model a real-world problem. All source code and documentation is in the team's private GitHub repository.

| Criteria | Points Possible | Points Earned |
|---|---|---|
| Use of Cloud SQL using MySQL | 15 | 15 |
| SQL to Create tables for the database | 5 | 5 |
| Primary keys and foreign keys are defined correctly | 5 | 5 |
| Appropriate constraints on the domain of attributes is implemented based on the functional requirements in the problem domain | 10 | 0 |
| Sufficient sample data is inserted in order to demonstrate database functionality for the problem solution | 5 | 5 |
| All SQL queries to retrieve required information from the database are included. | 20 | 20 |
| Views Implemented | 10 | 10 |
| Triggers Implemented | 5 | 5 |
| Functions and/or Stored Procedures Implemented | 5 | 5 |
| Roles and/or User Privileges defined | 10 | 10 |

| Github repository Criteria | Points Possible | Points Earned |
|---|---|---|
| Well organized and shows evidence of consistent and correct usage for version control of the project. | 5 | 0 |
| Includes documentation on the expected results of queries on the sample data to show correctness. | 5 | 0 |

**Comments:**

**Constraints on dates, numbers, etc are not specified;**

**Github not used correctly - there should not be multiple Excel spreadsheet files.**