

CPSC 5021 Database Systems

Fall 2017

Project Milestone 3

Due: 6:00 pm, Tuesday, Nov 21

1. (5 points) Write SQL statements to create tables for your database application. Pick suitable data types for each attribute. For each table, specify primary key and indicate foreign key if any.
2. (5 points) Write SQL statements to populate each table in your database with at least 10 records.
3. (15 points, 3 points each) Write five different queries on your database. Provide English description for each query (e.g. This is the SQL statement to find the number of outbox messages of each user). Your five queries should illustrate different aspects of database query, as listed below:
 - (1) Queries involving inner join on two or more tables
 - (2) Queries involving aggregate functions, such as SUM, COUNT, AVG etc.
 - (3) Queries involving subqueries
 - (4) Queries involving GROUP BY and HAVING clause
 - (5) Queries involving left outer join or right outer join of two tables

Submission

Use Canvas to submit your SQL statements (**in a .sql file**). Make sure you test your SQL statements on the database server “cssql.seattleu.edu” before submission.