This is a closed note, closed book exam. As an exam prep, we will review a solution to the class project.

Part 1 of the exam will be comprised of multiple choice and short answer questions. Most questions will be worth one point each, but others are worth more than one point. Students may be asked to write segments of code by hand. Students are advised to recall past quizzes and assignments in preparation for this part of the exam. Part 1 is worth 20 points total.

Part 2 of the exam will present the student with one or more segments of source code. Students will be instructed to fill in blanks representing missing lines of code. Most blanks will require students to write several lines of code by hand. Students are advised to review their work on the class project for part 2. The segments of code presented in Part 2 will be from an index.html page, a client-side app.js page, and a server-side app.js page. Part 2 is worth 30 points total.

Exam 2 has 50 points total.

Students are expected to recall and understand the general concepts, client-side technologies, and server-side technologies that were evaluated in exam 1. Students are also expected to recall, understand, and apply the following:

1. The $.ajax() method of jQuery
2. The purpose and appropriate use of HTTP the different methods (GET, POST, PUT, DELETE)
3. The purpose and appropriate use of three HTTP status codes (200,400,500)
4. How to connect to a database using the node package sync-mysql
5. How to wrap try / catch blocks around database operations
6. Appropriate use of const, let and var declarations.
7. The jQuery, JavaScript, Node.js / Express.js, and SQL commands used in the class project.