**CS 490 Project: Final Release**

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**Middle Layer**

**Group Members:**

**Paul: Back-End**

**Samer: Front-End**

**Instructor username: teach Instructor password: teacher**

**Student username: ztk4 Student password: fake\_pass**

**Student username: poa5 Student password: paul**

**Student username: sj457 Student password: 7031**

**Usage instructions:**

\*For reference, the prefix to all html pages is <https://web.njit.edu/~sj457/cs490/>.

The first thing the user does is to navigate to login.html and sign in. If the user is a teacher they can create a question, create an exam, or publish a previously made exam. They can then click the “Create Test” button and are shown previous questions in the question bank and given the option to make a new question. For creating a question, you click the “Create Question” button located on the left side, fill in the difficulty, topic, function name, the actual question, and the test cases. The test cases are in the form of (ARG\_LIST) CMP\_OP EXPR where ARG\_LIST is a valid python argument list (for a function call), CMP\_OP is a valid binary python comparison operator, and EXPR is a valid python expression. To create an exam, you check off the questions you want in the checklist and then click the “Make Exam” button on the bottom right. To publish an exam’s score, you simply click the “Release Scores” button in the top right corner of the teacher landing page. In the event that the user is a student, they can take an exam or view their scores for past exams. To take an exam a student simply presses the “take exam” button on the left side of the screen then fills in their answers, and presses submits when done. When the teacher publishes the exam grade, the student can then log back in and click the “Scores” button on the right side of the screen and view their most recent score, in addition to past scores.