**CS 490 Project: Beta Version**

July 25, 2016

**Group Members:**

Gary Cheng: Front End

Jean-Felix Lanoue: Middle End

George Hahn: Back End

**Usage instructions:**

Front End URL: https://web.njit.edu/~glh4/frontend/

Instructor Account: **Username:** instructor **Password:** instructor

Student Account: **Username:** student **Password:** student

**User**

The user logs in on through the front end URL, he enters his username and password to authenticate himself. Once the user is logged in, his role is determined automatically and he is presented with a specific menu which he can use to navigate through the available pages.

A logout button allows the user to terminate his session.

**Instructor**

**Question Bank**

The question bank page is used to review, edit and delete existing Question-Answer pairs. These pairs can later be added to an Exam.

**New Exam**

The New Exam page is used to create an exam. Exams are composed of a title and a series of question from the question bank.

**Exams**

At the bottom of the main menu is a table listing all the existing Exams. The instructor can review an exam, edit it, or release it to be graded.

**Student**

**Take Exam**

The Take Exam page allows the student to take an exam. The student is presented with each question and a field to provide his answer. Once the student is done, he must submit his completed exam.

**View Grades**

On this page, the student can review exams previously taken which were released by the instructor. These exams will show a list of questions and the answers submitted by the student as well as the score received and some feedback.