| Defect Number | Defect | Severity |
|---|---|---|
| | **Instructor Client GUI - Create Test** | |
| 1 | If a user clicks on "Create Test", a file chooser will pop up. If the user clicks on the "open" button in the file chooser, the program will quit unexpectedly. | S1 |
| 2 | If a user clicks on "Create Test", a file chooser will pop up. If the user clicks on the "cancel" button in the file chooser, the program opens the menu for the edit test option. | S1 |
| 3 | Nothing happens when test properties option is selected | S1 |
| 4 | You are able to modify fields without first opening or creating a new test | S2 |
| 5 | If you try to move to the next question leaving the points possible field blank, you receive a warning, but can still move on (assigning severity 2 as the points can be "manually calculated and determined" afterwards) | S2 |
| 6 | Once the point field is modified, it stays the same for each question | S1 |
| 7 | When a new question of type multiple choice is selected, when you attempt to add choices, it adds the same choice twice | S1 |
| 8 | When adding choices for multiple choice, it allows you to add multiple copies of the same answer(both are entered twice per attempt, total of 4 identical answers after 2 identical add's) | S1 |
| 9 | When adding a multiple choice question, you are able to move on to next question without adding prompt, you get a warning, but it does allow you to continue | S1 |
| 10 | When adding a multiple choice question, If you attempt to add choices before entering a prompt, you get a warning, but the choices are still added (not sure if intentional) | S1 |
| 11 | When adding a multiple choice question, You are able to move on to the next question without completing the answer for the current multiple choice question | S1 |
| 12 | When adding a multiple choice question, You are able to move on to the next question without completing choices for a multiple choice question | S1 |
| 13 | When adding a multiple choice question, if you add an answer, then add a choice, the answer will disapear from the GUI | S1 |
| 14 | When adding a short answer question, you are able to move on without adding a prompt, however a warning is displayed | S1 |
| 15 | When adding a short answer question, you are able to move on without adding an answer | S1 |
| 16 | When adding a programming question, you are able to move on without entering a prompt or a file name, however a warning is displayed | S1 |
| 17 | When adding a programming question, you are able to move on without adding an answer, no warning is displayed (assigning severity 2 as the instructor can choose to formulate the answers after completion of the test) | S2 |
| 18 | When adding a programming question, if you add a filename, then click next, the field remains filled out for the next question, but is uneditable if the next question is not a programming question | S1 |

| | | |
|---|---|---|
| 19 | If you create a short answer, multiple choice or programming question, then move on, and return to the question, the answer has been removed from the GUI | S1 |
| 21 | If you create a short answer question, then return to the question using prev/next, or select question number, the answer and (sometimes) the prompt have been removed from GUI. The result seems inconsistant, and cannot replicate consistently | S1 |
| 22 | Next and previous buttons are switched, they take you in the opposite direction | S1 |
| 23 | If you cycle back through questions, the program warns you if you try to delete and leave a relevant field blank, but it still allows you to continue with a blank field | S1 |
| 24 | The program allows you to delete questions, but the drop down menu does not properly display the current question numbers | S1 |
| 25 | After questions are deleted, the drop down menu no longer works properly for the selecting a question to modify | S1 |
| 26 | When adding a point value to a question, the field stays the same when adding a new question, or switching to a previous question | S1 |
| 27 | If you attempt to save a test with the same name as another test, the old test is automatically overwritten, with no warning | S1 |
| 28 | If you try to click "save as" twice in the same session, the "save as" menu does not appear | S2 |
| 29 | If you try to save a file with no name, nothing happens, no warning is displayed | S3 |
| 30 | If you try to open a previously saved test, the program opens a different test, but the contents are not correctly displayed | S1 |
| 31 | If you select new test before saving the current test, your current progress is lost with no warning | S1 |
| | | |
| | **Instructor Client GUI - Edit Test (Actually is Grade Test)** | |
| | | |
| 32 | Clicking on "Grade Test" button will open up a screen to grade tests. | S1 |
| 33 | Although there is an option -- "Open Key" in the drop down menu, there is no way to create a key file for an exam. | S1 |
| 34 | After clicking on "Open Key", a file chooser will show up, clicking on a file yields no responses. | S1 |
| 35 | After clicking on "Open Exam" and chooing an exam file, the program could not load exam information. | S1 |
| 36 | After clicking on "Open Exam" and chooing an exam file twice, the program could load exam information. | S1 |
| 37 | The program does not have any responses after clicking on "Auto-grade multiple choice" button in the drop down menu, which should auto-grade mutltiple choice questions. | S1 |
| 38 | The program does not have any responses after clicking on "Save" button in the drop down menu, which should save the current grade and progress. | S1 |
| 39 | The program does not have any responses after clicking on "Save As" button in the drop down menu, which should save the current grade and progress as a new file. | S1 |

| | | |
|---|---|---|
| 40 | The program does not have any responses after clicking on "Exit" button in the drop down menu, which should exit the program. | S1 |
| 41 | Clicking on the "Show summary" button will yield a miscalculated summary: the number of total points and percentage are incorrect. | S1 |
| 42 | The default key answer is idential to the student answer. | S1 |
| 43 | The scores stored in the student exam file changes each time it is loaded into the program. | S1 |
| 44 | The default label next to "Language" is "jLabel3", which is not a valid language. | S2 |
| 45 | Clicking on the "next" button changes to the previous question. | S2 |
| 46 | Clicking on the "previous" button changes to the next question. | S2 |
| 47 | The comments and choices text areas should be disabled(gray) when no test is loaded into the program. | S3 |
| 48 | Clicking on the "down" arrow in the "Comments" text area will scroll the comments out of view. | S3 |
| 49 | The label for "student answer" should be more to the right and align with the text area below. | S3 |
| 50 | The "Points Possible" should be a label instead of a text field to indicate that the value is unchangable. | S3 |
| 51 | The "Language" label becomes gray when the question is of type -- programming. This does not make sense since the "C" label remains. | S3 |
| 52 | There is no value next to the "compiles" label. | S3 |
| | **Instructor Client GUI - Grade Test (Actually is Edit Test)** | |
| 53 | Clicking on "Grade Test" button will open the a screen to edit test. | S1 |
| 54 | Next and previous buttons switched place. | S1 |
| 55 | When you edit the "Points Possible" box, it applied to all questions in the exam. That means every question will weight the same points. | S1 |
| 56 | When you delete the "Choices" entry, it will reappear again even after you save it. | S1 |
| 57 | When you add an entry in the "Choices" entry, there will be two identicals entries. | S1 |
| 58 | The number select options will not bring you to the correct question number. It will still remains at the current question after you clicked different question number. | S1 |
| 59 | The "Answer" box will not update after you clicked next or previous button. | S1 |
| 60 | The "Answer" box will not update even after you save it. | S1 |

| | | |
|---|---|---|
| 61 | After opening an existing exam file, the number select option showed nothing at the last entry. When you clicked it, it does nothing. However, after you click previous or next, it will showed the correct data but the last entry still showed blank in the number select options. | S1 |
| 62 | After you add a new question, the number select option will display correctly. | S1 |
| 63 | After you delete an existing question, the number select option will not update. It will still display the deleted question number. | S1 |
| 64 | The File and Language for the programming questions still showed their data in other question number but it has been greyed out. | S3 |
| 65 | The Test -> Properties page needs to click "apply" twice to turn off the window. | S3 |
| 66 | In the Test -> Properties, date box, when user changed the year, month and day data to an invalid data it will not pop up an error message. Instead it will automatically revert those data to a random correct formatted date. | S2 |
| 67 | In the Test -> Properties, when I clciked the cancel button, it does nothing. | S3 |
| 68 | In the Test -> Properties, I need to clicked the exit button on the top right twice in order to exit. | S3 |
| | **Student Client GUI** | |
| 69 | Clicking on "Exit Test" button will bring up a file chooser. The button's message is counter intuitive. It should be something like "Start Test". To be more precise, it should be "Open Test" (from the last page). Furthermore, displaying a file chooser without noticing the users is not user-friendly. | S3 |
| 70 | There is no response after clicking on "Previous" and "Next" buttons on the student main page | S1 |
| 71 | "Exit test" button does not work at first click | S1 |
| 72 | When the student choose a wrong file, the main page should prompt coresponding error instead of reminding user "please enter both last and first name " | S3 |
| 73 | The student click cancel button when he choose file, the system prompt a error "please enter both last and first name" | S3 |
| 74 | The last name can be empty when starting the test. | S1 |
| 75 | The name can have special characters, number or signs inside. | S1 |
| 76 | The students can change the questions in the "Question Prompt" for short-answer type questions. | S1 |
| 77 | Amount of points assigned for each question is incorrect. It is always 25. | S1 |
| 78 | The first question is missed. | S1 |
| 79 | The students start at the second page. The third question is shown when the students just start the test. The students have to press "Previous" to access the second question.(Note that the first question is skipped.) | S1 |
| 80 | when navigating to next questions, the answer inputted for a previous question will remain at the field. | S1 |

| 81 | Several questions from behind are skipped. | S1 |
|---|---|---|
| 82 | After the first submission, the students can still press "Previous" to go back to the questions. | S1 |
| 83 | Nothing happens when the students press "Open Test" in the last page. (The button should be "Exit Test" from the first page) | S1 |
| 84 | Multiple submissions are allowed. The "Submit" button does not gray out after the first submission. | S1 |
| 85 | If the students start the test with the programming type question, the question will change into a multiple choice question. | S1 |
| 86 | When the students reach the last question of the test(if the program does not freeze), the "Next" button will change to "Submit". The students can press "Previous" to go back to the previous questions, but the button will remain to be "Submit". | S1 |
| 87 | Some questions field are empty and can be editted. | S1 |
| 88 | The page number is disordered. For instance, the students start at page 2, but navigating to next page will show a page number of 4. | S2 |
| 89 | The compiler does not work for the programming question. It prompts an error message. | S1 |
| 90 | If number of the questions exceeds a certain number, the students will not be able to submit their test when reaching the last question. The "Submit button" is not available. Instead, the "Next" button will remain. Pressing it yields nothing. Furthermore, the students cannot press "Previous". | S1 |
| 91 | The question and answer does not match each other. For example, a programming type question is shown with answer prompt of multiple-choice due to the disalignment. | S1 |
| 92 | In the main page, there is no password field. This means that any student can log into another student's account. | S1 |
| 93 | The students can start more than one test with the same first name and last name at the same time. | S1 |