Interactive Rubric Project Description

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| Graphical user interface, application, Word  Description automatically generated | Graphical user interface, application, Word  Description automatically generated |
| 1. Initial view. Here, the GUI’s initial view is shown. At the top, there are line edits, where a student’s name and ID can be entered into. At the bottom, there is a text edit, where additional comments can be added; a line edit, where a final mark is displayed; and push buttons that generate feedback, export the feedback, and reset the GUI. In the middle is a scrollable area, where rubrics are added. | 2. Added rubric. To add a rubric, the “Add Rubric” button is clicked. A new rubric is added to the GUI’s scrollable area. |
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| 3. Added row. A rubric is made up of rows. To add a row to a rubric, the “Add Row” button is clicked. A new row is added to the rubric. The row has a slider that can be used to assign a mark for the row. | 4. Added column. A row is made up of columns. To add a column, the “Add Col” button is pressed. A new column is added to the row. Data can be entered into each column. |
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| 5. A rubric with one row and four columns. A rubric is made up of rows and columns. The GUI can have multiple rubrics, each with multiple rows, each with multiple columns. | 6. Generated feedback. Automatic feedback can be generated. To generate, the “Generate” button is clicked. This parses the GUI’s line edits, rubrics, and text edits and generates a report using the student’s name, their final mark, and rubric marks. |
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| 7. Exported feedback. Generated feedback can be exported. To export feedback, the “Export” button is clicked. This prompts the user for a directory to save the feedback in and a file name. | 8. Feedback saved as a text file. Here, the previously exported feedback is displayed as a text file. This can be copied and shared with the student via an online portal, e.g., Moodle. |
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| 9. A rubric with one row and four columns. To reset the rubrics, the “Reset” button is clicked. This clears the line edits and text edits and resets each rubric’s rows’ sliders to 50%. | 10. Rubric saved as JSON formatted data. The rubric can be exported. To export the rubric, the “File>Save” menu is clicked. This prompts the user for a directory to save the rubric in and a file name. The rubric is saved as JSON formatted data. |
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| 11. A new rubric. To create a new rubric, the “File>New” menu is clicked. This resets the GUI, removing all existing rubrics. | 12. A rubric with one row and four columns. To load a rubric, the “File>Open” menu is clicked. This loads a previously exported rubric, populating the GUI with rubrics. |