Programming Exercise 8

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| Criteria | % Value | 1: Unsatisfactory | 2: Less Than Satisfactory | 3: Satisfactory | 4: Good | 5: Excellent |
| **% Scaling** |  | 0% | 65% | 75% | 85% | 100% |
| **Content – 100%** | | | | | | |
| Apply formatting and style techniques to achieve a desired outcome in a JavaFX project. | 50% | Program not submitted or program does not compile | 65% of expected criteria is met. Program must compile and run to earn this grade, but may have significant logical flaws. | 75% of expected criteria is met. Program clearly produces a grid, but may have more substantial issues with coloring or labeling of cells. 10 x 10 grid must be present. | At least 85% of expected criteria is met. All cells are populated with random numbers in desired range. Minor issues with coloring, spacing, etc. are permissible. | Program performs exactly as expected. |
| Create a simple JavaFX project and explain the relationship among stages, scenes and nodes. | 40% | Video not submitted. | Explanation is difficult to follow and it is unclear that the student understands the relationship among stages, scenes and nodes. | Explanation is adequate. Some important details may be overlooked. Student exhibits a moderate understanding of their work. | Good pace and volume. Student clearly explains work, but may gloss over some details, while spending excess time on irrelevant parts of the program. | Video is concise (less than 5 minutes in length) and clearly explains all of the components used. The relationship between components is explained clearly. Both tone and pace of the video are of professional quality. |
| Non-technical specification. | 10% | Program is missing both comments and statement of independent work | *do not use this cell* | Excellent criteria partially met | *do not use this cell* | Comments appropriately used, name and statement of own work present, program submitted requested by instructor. Code is well-formatted and self-documenting. |