**Title:** Stories for Quadratic Solver

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**Introduction:** As a team we are working with the engineers to build a Quadratic Equation solver tool to solve equations of the form aX^2+bx+c. The tool will be used to replace the current tool in which they use that is allowing the blades on the wind turbine to eject themselves. To accomplish this we must handle and validate the input and output it to make sure there are no crashes or incorrect output. Another important item to handle is the occurrence of Infinite and Not a real number values. These can crash the tool or even worse return invalid output that could potentially put cows lives at risk in the fields where the turbines are present.

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| --- | --- | --- | --- | --- |
| Stories | Time Estimated | Risk (1-5) | Total Time | % Complete |
| User enters three single precision float values and program catches bad values. | 1 hour | 1 | 1 hour | 100% |
| Handling values in scientific notation rather than single precision floats. | 1 hour | 1 | 0minutes | 0% |
| Solving quadratic functions | 3 hour | 1 | 0minutes | 100% |
| Validate output to assure it’s a single precision value. | 30minutes | 1 | 0minutes | 0% |