CS 4900

Project: Quad Solver

TPS Report

10/27/2019

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| --- | --- | --- | --- | --- | --- | --- |
| Task | Who will complete | Time | Risk | % complete | Actual time | review |
| T0 | SS | 1 hour | 1 | 100% | 1 hour | SS AK  EJ TH |
| T1 | AK SS | 20 hours | 4 | 100% | 20 hrs | SS AK |
| T2 | EJ | 10 hours | 5 | 75% | TBD | TBD |
| T3 | AK | 5 hours | 4 | 100% | 5 hours | SS TH |
| T4 | SS TH | 4 hours | 3 | 100% | 4 hours | AK TH |
| T5 | AK | 4 hours | 3 | 75% | TBD | TBD |
| T6 | SS | 1 hour | 1 | 100% | 1 hour | AK TH |
| T7 | SS AK  EJ TH | 1 hour | 5 | 0% | TBD | TBD |
| T8 | TH | 2 Hours | 3 | 100% | 2 Hours | SS AK  EJ |
| T9 | SS AK  EJ TH | 1 hour | 5 | 0% | TBD | TBD |

T0: Write the TPS report and Stories Sheet:

Write up the deliverables required for the week.

T1: Run a spike on getit method for input handling

Input validation must be established to ensure that the amount of error checking is minimized. The input validation will then have to be unit tested to make sure erroneous values do not get through.

T2: Write calculation method for the program

The calculation method will have to be made to conform to IEEE F32 floating point arithmetic standards.

T3: Finish the getIt method:

Get it retrieves a single string input from the user and makes sure that the buffers used do not overflow or underflow. Unit tests for this method have been established.

T4: Finish format method:

Formats the output of calculate to be handled by putIt for printing. Has cases to handle infs, nans, and real floats. Unit tests for this method have been established and the method has passed its tests.

T5: Finish validate method:

Vaidates the input recieved from getIt.

T6: Finish putIt method:

Prints the string recieved from format.

T7: Integrate the above methods together:

The above methods must be integrated before the program can be deemed complete.

T8: Write modular unit tests as a groundwork for our unit testing on the program

The unit tests have been reviewed and implemented.

T9: make the program installable via tarball

As per customer request the program must be installable via tarball.