



Sprintable Stories

ID Story

S1 As a user I want to be able to run the system from the command line so that I can quickly calculate information about a student

Acceptance Criteria

- The system printed an error message when there were an even number of arguments.
- The user was able to enter grades using the letters A thru F.
- The user was able to append a + to the letters B thru D.
- The user was able to append a - to the letters A thru D.
- The system produced normal output when there were thirteen arguments (six course label,/grade pairs followed and the student's name).
- The system produced normal output when there were seven elements (three label/grade pairs followed by the student's name).

S2 As a user I want the system to be able to display the student's name.

- The system displayed phrase "Results for" before the student's name.
- The system displayed the student's name.

S3 As a user I want the system to be able to display the quality points for a student.

- The system displayed the phrase "Quality Points:" before the value.
- The system displayed the phrase and value on one line.
- The system displayed the correct result for one system test in which the student passed all courses with different grades.
- The system displayed the correct

result for one system test in which the student passed some courses and failed some courses.

The system displayed the value with at least 4 places to the right of the decimal point.

S4 As a user I want the system to be able to display the attempted hours for a student.

The system displayed the phrase "Attempted Hours:" before the value.

The system displayed the phrase and value on one line.

The system displayed the correct result for one system test in which the student passed all courses with different grades.

The system displayed the correct result for one system test in which the student passed some courses and failed some courses.

The system displayed the value with at least 4 places to the right of the decimal point.

S5 As a user I want the system to be able to display the earned hours for a student.

The system displayed the phrase "Earned Hours:" before the value.

The system displayed the phrase and value on one line.

The system displayed the correct result for one system test in which the student passed all courses with different grades.

The system displayed the correct result for one system test in which the student passed some courses and failed some courses.

The system displayed the correct result for one system test in which the student fails all courses.

The system displayed the value with at least 4 places to the right of the decimal point.

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| S6 | As a user I want the system to be able to display the earned grade point average (GPA) hours for a student. | <input type="checkbox"/> The system displayed the phrase "GPA:" before the value.
<input type="checkbox"/> The system displayed the phrase and value on one line.
<input type="checkbox"/> The system displayed the correct result for one system test in which the student passed all courses with different grades.
<input type="checkbox"/> The system displayed the correct result for one system test in which the student passed some courses and failed some courses.
<input type="checkbox"/> The system displayed the correct result for one system test in which the student fails all courses.
<input type="checkbox"/> The system displayed the value with at least 4 places to the right of the decimal point. |
| S7 | As a user I want the system to be able to handle missing letter grades so that I can use it even when a student hasn't taken some courses. | <input type="checkbox"/> The system calculated the correct result for one system test with "N/A" for one of the grades. |

Epics

ID Story

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| E1 | As a user I want the system to be able to read information from a file. |
| E2 | As a user I want the system to be able to process information about multiple students in a single execution. |
| E3 | As a user I want the system to be able to display the average GPA for a cohort of students (e.g., all of the students with a particular major). |

E4 As a user I want the system to have a graphical user interface (GUI) that allows me to enter grades for a single student.