



Epics

- E1. As a user I want to be able to enter the numeric grades for the assignments in a course and have the system calculate my numeric grade for the course so that I don't have to perform the calculations by hand.
- E2. As a salesperson I want the system to be able to handle courses with arbitrary structures so that we can sell the system to everyone.
- E3. As an administrator I want to be able to enter information that describes the structure of a course so that it can be used for different courses.

Sprintable Stories

ID	Story	Acceptance Criteria
S1	As a salesperson I want the system to work for a course with 6 programming assignments where the lowest is dropped (40% of the course grade), 5 homework assignments (10% of the course grade), one mid-term exam (20% of the course grade), and one final exam (30% of the course grade) so that the system can be used right away in several courses offered by one of our perspective clients.	<input type="checkbox"/> The system calculated the correct result for three integration tests with no missing values.
S2	As a salesperson I want the grade for a category to be the total of the grades on the assignments in that category so that the system can be used right away in several courses offered by one of our perspective clients.	<input type="checkbox"/> The system calculated the correct result for three integration tests with no missing values.
S3	As a user I want the system to be able handle missing grades so that I can use it while a course is underway.	<input type="checkbox"/> The system calculated the correct result for one integration test with one missing value in one category. <input type="checkbox"/> The system calculated the correct result for one integration test with one missing value in each category.

		<input type="checkbox"/> The system calculated the correct result for one integration test with multiple missing values in each category. <input type="checkbox"/> The system calculated the correct result for one integration test with all missing values.
S4	As a user I want to be able to enter all of the grades for a course at the command line so that the system is easy to use.	<input type="checkbox"/> The system calculated the correct result for three system tests with no missing values.
S5	As a user I want to be able to enter missing grades as "NA" so that they can be easily distinguished from actual grades.	<input type="checkbox"/> The system calculated the correct result for one system test with one missing value in one category entered as "NA" from the command line. <input type="checkbox"/> The system calculated the correct result for one system test with one missing value in each category entered as "NA" from the command line. <input type="checkbox"/> The system calculated the correct result for one system test with multiple missing values in each category entered as "NA" from the command line. <input type="checkbox"/> The system calculated the correct result for one system test with all missing values.
S6	As a user I want the system to display the course grade after I enter all of the grades at the command line course so that I don't have to perform the calculations by hand.	<input type="checkbox"/> The system displayed the correct output for three system tests with no missing values. <input type="checkbox"/> The system displayed the correct output for one system test with one missing value in one category entered as "NA" from the command line. <input type="checkbox"/> The system displayed the correct output for one system test with one missing value in each category entered as "NA" from the command line.

		<input type="checkbox"/> The system displayed the correct output for one system test with multiple missing values in each category entered as "NA" from the command line. <input type="checkbox"/> The system displayed the correct result for one system test with all missing values.
S7	As a user I want the output of the system to be clear and simple.	<input type="checkbox"/> The system displayed the phrase "Course Grade:" before the value. <input type="checkbox"/> The system displayed the phrase and value on one line. <input type="checkbox"/> The system displayed the value with one place to the right of the decimal point.
S8	As a user I want the error messages to be clear and simple.	<input type="checkbox"/> The system displayed the phrase "You must enter exactly 13 grades. (Use NA for missing.)" when the wrong number of arguments was entered.