**Requirements to pass**

For your project to pass, all of the following statements must be true. These criteria are reflected in the rubric in the following lesson.

* All tests are passing in Qualified.

For the Caesar shift (example: caesar("Zebra Magazine", 3) => "cheud pdjdclqh"), the tests that you write should test that the following is true:

* It returns false if the shift value is equal to 0, less than -25, greater than 25, or not present.
* It ignores capital letters. (For example, the results of A Message and a message should be the same.)
* When encoding, it handles shifts that go past the end of the alphabet. (For example, shifting z to the right by 3 should cause the z to wrap around to the front of the alphabet, so that z becomes c.)
* It maintains spaces and other nonalphabetic symbols in the message, before and after encoding or decoding.

For the Polybius square (example: polybius("message") => "23513434112251"), the tests that you write should test that the following is true:

* When encoding, it translates the letters i and j to 42.
* When decoding, it translates 42 to (i/j).
* It ignores capital letters. (For example, the results of A Message and a message should be the same.)
* It maintains spaces in the message, before and after encoding or decoding.

For the substitution cipher (example: substitution("message", "plmoknijbuhvygctfxrdzeswaq") => "ykrrpik"), the tests that you write should test that the following is true:

* It returns false if the given alphabet isn't exactly 26 characters long.
* It correctly translates the given phrase, based on the alphabet given to the function.
* It returns false if there are any duplicate characters in the given alphabet.
* It maintains spaces in the message, before and after encoding or decoding.
* It ignores capital letters. (For example, the results of A Message and a message should be the same.)