Context:

A phrase consists of an opening clause(Uppercase alphabetic letter), optional internal phrase and a closing clause(Lowercase alphabetic letter).
A valid expression must consist only of phrases, which are all properly closed using the same alphabetic letter('a' closes 'A', 'b' closes 'B', etc..).

Task:

Write a function that receives an expression, which consists only of the clauses('a', 'A', 'b', 'B', 'c', 'C') as a string or array of characters and returns a boolean representing if the expression is valid or invalid.

Examples: input - output

AaBb - true
BCAacb - true
BCcAab - true
ACABbBbaca - true
AabB - false
BCAcaB - false

Function prototype:

    boolean isValidExpression(String expression);

The programming language used for the implementation is up to the candidate. Using Java is an advantage.