I. Basic Case Conversion (Lower to Upper and Vice Versa)

Test 1: Simple Lowercase to Uppercase:

    Input: "αβγδεζηθικλμνξοπρστυφχψω"

    Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"

    Purpose: Check the basic lowercase to uppercase conversion for all letters.

        ChangeCase

        Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language selected)

Test 2: Simple Uppercase to Lowercase:

    Input: "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"

    Expected Output (Lowercase): "αβγδεζηθικλμνξοπρστυφχψω"

    Purpose: Check the basic uppercase to lowercase conversion for all letters.

        ChangeCase

        Output: αβγδεζηθικλμνξοπρστυφχψω (no language selected)

Test 3: Mixed Case:

    Input: "ΑβΓδΕΖΗΘΙκΛμΝΞΟπΡσΤυΦχΨω"

    Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"

    Expected Output (Lowercase): "αβγδεζηθικλμνξοπρστυφχψω"

    Purpose: Test mixed input to both all caps and all lowercase.

        ChangeCase

        Output(Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language select ed)

Output(lowerrcase): αβγδεζηθικλμνξοπρστυφχψω (no language selected)

II. Sigma Handling (Final vs. Non Final)

Test 4: Non Final Sigma to Uppercase (Simple Word):

Input: "συνάδελφος"

Expected Output (Uppercase): "ΣΥΝΑΔΕΛΦΟΣ"

Purpose: Check the 'σ' to 'Σ' conversion in a word with no final sigma.

ChangeCase

Output: **ΣΥΝΆΔΕΛΦΟΣ** (no language selected)

Test 5: Final Sigma to Uppercase in multi word string:

Input: "Ένας καλός κόσμος είναι εδώ"

Expected Output (Uppercase): "ΈΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ"

Purpose: Test sigma conversion when it is at the end of a word inside a string of words.

ChangeCase

Output: **ΈΝΑΣ ΚΑΛΌΣ ΚΌΣΜΟΣ ΕΊΝΑΙ ΕΔΏ** (no language selected)

Test 6: Final Sigma to Lowercase:

Input: "ΣΑΣ"

Expected Output (Lowercase): "σας"

Purpose: Test that uppercase sigma converts back to lowercase final sigma if in the last letter of the word.

ChangeCase

Output: **σασ** (no language selected)

Test 7: Multiple Sigmas in a Word (Mixed Cases):

Input: "Συσσωματώσεις"

Expected Output (Uppercase): "ΣΥΣΣΩΜΑΤΩΣΕΙΣ"

Expected Output (Lowercase): "συσσωματώσεις"

Purpose: Verify handling of multiple sigmas, in particular in lowercase.

ChangeCase

Output(Uppercase): **ΣΥΣΣΩΜΑΤΩΣΕΙΣ** (no language selected)

Output(lowerrcase): συσσωματώσεις (no language selected)

Test 8: Final Sigma Before a Punctuation:

Input: "Ο καιρός ήταν καλός."

Expected Output (Uppercase): "Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ."

Purpose: Check that a final sigma will properly change in uppercase even if it is fol lowed by a punctuation

ChangeCase

Output: **Ο ΚΑΙΡΌΣ ΉΤΑΝ ΚΑΛΟΣ.** (no language selected)

Test 9: Final Sigma BeforeAfter a Punctuation:

Input: "Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ."

Expected Output (Lowercase): "Ο καιρός ήταν καλός."

Purpose: Check that a final sigma will properly change in uppercase even if it is followed by a punctuation

Updated Tests (with Corrections)

ChangeCase

Output: ο καιροσ ηταν καλοσ. (no language selected)

III. Accents Handling (Correct - No Changes)

Test 10: Lowercase Accented Vowels to Uppercase (All Accents):

Input: "άέήίόύώ"

Expected Output (Uppercase): "ΑΕΗΙΟΥΩ"

Purpose: Verify accents are removed on uppercase conversion of fully uppercase text.

ChangeCase

Output: ΆΈΉΊΌΎΏ (no language selected)

Test 11: Uppercase to Lowercase with Accents:

Input: "ΑΕΗΙΟΥΩ"

Expected Output (Lowercase): "αεηιουω"

Purpose: Verify accents are NOT added back when converting to lowercase.

ChangeCase

Output: αεηιουω (no language selected)

Test 12: Title Case with Accented First Letter:

Input: "Άλφα"

Expected Output (Title Case – First Letter Uppercase): "Άλφα"

Purpose: Check that title case does not strip out the accent.

ChangeCase

Output: Άλφα (no language selected)

Test 13: Title case when accented letter is not first:

Input: "πολύ"

Expected Output (Title case): "Πολύ"

Purpose: Check that title case does not add accents in subsequent letters.

ChangeCase

Output: Πολύ (no language selected)

Test 14: Title case when uppercase letter is not the first:

Input: "ΆΛφα"

Expected Output (Title Case): "Άλφα"

Purpose: Check that title case preserves accent if it exists in uppercase and the first letter of the word.

ChangeCase

Output: Άλφα (no language selected)

Test 15: Accented word in sentence:

Input: "Αυτό είναι το σωστό"

Expected Output (Title case): "Αυτό Είναι Το Σωστό"

Purpose: Test that title case properly handles accented first letters when multiple words are present.

ChangeCase

Output: Αυτό Είναι Το Σωστό (no language selected)

Test 16: Title case with no accents:

Input: "αλφα"

Expected Output (Title Case): "Αλφα"

Purpose: Test that title case does add an accent if it's the standard form of that up percase letter.

ChangeCase

Output: Αλφα (no language selected)

IV. Dieresis Handling (Revised Again!)

Test 17: Lowercase Dieresis:

Input: "ϊϋ"

Expected Output (Uppercase): "ΪΫ"

Purpose: Verify dieresis is preserved on uppercase conversion.

ChangeCase

Output: ΪΫ (no language selected)

Test 18: Accented Dieresis:

Input: "ΐΰ"

Expected Output (Uppercase): "ÏŸ"

Purpose: Verify dieresis is preserved and accents are removed on uppercase conver sion.

ChangeCase

Output: ÏŸ (no language selected)

Test 19: Uppercase to Lowercase Accented Dieresis:

Input: "ÏŸ"

Expected Output (Lowercase with accents and dieresis): "ïÿ"

Purpose: Verify proper conversion and re-introduction of dieresis and accents after going through uppercase

ChangeCase

Output: ïÿ (no language selected)

V. Combined Cases, Accents, and Dieresis (Revised)

Test 20: Complex Mixed Input:

Input: "αβγδΈΖἡθΙκλμνξόπρσΤυφχψώϊΰϋ"

Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪŸΪŸ"

Expected Output (Lowercase): "αβγδέζηθικλμνξόπρστυφχψωϊϋϋ"

Purpose: Test all rules in a single, complex input.

ChangeCase

Output(Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪŸΪŸ (no language se lected)

Output(lowerrcase): άβγδέζηθικλμνξόπρστυφχψώϊϋ̈ (no language select ed)

Test 21: A sentence with all edge cases included:

Input: "Ο καλλιτέχνης έδωσε το έργο με στυλ ϊου."

Expected Output (Uppercase): "Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ."

Expected Output (Title Case): "Ο Καλλιτέχνης Έδωσε Το Έργο Με Στυλ Ίου."

Purpose: A real world sentence that covers most of the cases we are testing.

ChangeCase

Output(Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΈΔΩΣΕ ΤΟ ΈΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ. (no lan guage selected)

Output(lowerrcase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου. (no language selected)