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.

        OTpanel
        Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language selected)
        Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)

        TypeMenu
        Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language selected)
        Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)

Test 2: Simple Uppercase to Lowercase:
     Input: "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ"
     Expected Output (Lowercase): "αβγδεζηθικλμνξοπρστυφχψω"
     Purpose: Check the basic uppercase to lowercase conversion for all letters.

        OTpanel
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language selected)
        Output: αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

        TypeMenu
        Output: αβγδεζηθικλμνξοπρστυφχψω (no language selected)
        Output: αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

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.

        OTpanel
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language selected)
        Output (Lowercase): αβγδεζηθικλμνξοπρστυφχψω (no language selected)
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)
        Output (Lowercase): αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

        TypeMenu
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (no language selected)
        Output (Lowercase): αβγδεζηθικλμνξοπρστυφχψω (no language selected)
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)
        Output (Lowercase): αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

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.

        OTpanel
        Output: ΣΥΝΑΔΕΛΦΟΣ (no language selected)
        Output: ΣΥΝΑΔΕΛΦΟΣ (language Greek activated)

        TypeMenu
        Output: ΣΥΝΆΔΕΛΦΟΣ (no language selected)
        Output: ΣΥΝΑΔΕΛΦΟΣ (language Greek activated)

Test 5: Final Sigma to Uppercase in multi-word string:
    Input: "Ένας καλός κόσμος είναι εδώ"
    Expected Output (Uppercase): "ΕΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ"
    Purpose: Test sigma conversion when it is at the end of a word inside a string of words.

        OTpanel
        Output: ΕΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ (no language selected)
        Output: ΕΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ (language Greek activated)

        TypeMenu
        Output: ΈΝΑΣ ΚΑΛΌΣ ΚΌΟΣΜΟΣ ΕΊΝΑΙ ΕΔΏ (no language selected)
        Output: ΕΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ (language Greek activated)

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.

        OTpanel
        Output: σασ (no language selected)
        Output: σασ (language Greek activated)

        TypeMenu
        Output: σας (no language selected)
        Output: σας (language Greek activated)

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.

        OTpanel
        Output (Uppercase): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (no language selected)
        Output (Lowercase): συσσωματώσεις (no language selected)
        Output (Uppercase): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (language Greek activated)
        Output (Lowercase): συσσωματώσεις (language Greek activated)

        TypeMenu
        Output (Uppercase): ΣΥΣΣΩΜΑΤΏΣΕΙΣ (no language selected)
        Output (Lowercase): συσσωματώσεις (no language selected)
        Output (Uppercase): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (language Greek activated)
        Output (Lowercase): συσσωματώσεις (language Greek activated)

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 followed by a punctuation

        OTpanel
        Output: Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ (no language selected)
        Output: Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ (language Greek activated)

        TypeMenu
        Output: Ο ΚΑΙΡΌΣ ΉΤΑΝ ΚΑΛΌΣ (no language selected)
        Output: Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ (language Greek activated)

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)

OTpanel
Output: ο καιροσ ηταν καλοσ (no language selected)
Output: ο καιροσ ηταν καλοσ (language Greek activated)

TypeMenu
Output: ο καιρος ηταν καλος (no language selected)
Output: ο καιρος ηταν καλος (language Greek activated)

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.

OTpanel
Output: ΑΕΗΙΟΥΩ (no language selected)
Output: ΑΕΗΙΟΥΩ (language Greek activated)

TypeMenu
Output: Ά'Έ'Ή'Ί'Ό'Ύ'Ώ (no language selected)
Output: ΑΕΗΪΟΫΩ (language Greek activated)

Test 11: Uppercase to Lowercase with Accents:
Input: "ΑΕΗΙΟΥΩ"
Expected Output (Lowercase): "αεηιουω"
Purpose: Verify accents are NOT added back when converting to lowercase.

OTpanel
Output: αεηιουω (no language selected)
Output: αεηιουω (language Greek activated)

TypeMenu
Output: αεηιουω (no language selected)
Output: αεηιουω (language Greek activated)

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.

TypeMenu
Output: Άλφα (no language selected)
Output: Άλφα (language Greek activated)

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.

TypeMenu
Output: Πολύ (no language selected)
Output: Πολύ (language Greek activated)

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.

TypeMenu
Output: Άλφα (no language selected)
Output: Άλφα (language Greek activated)

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.

TypeMenu
Output: Αυτό Είναι Το Σωστό (no language selected)
Output: Αυτό Είναι Το Σωστό (language Greek activated)

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 uppercase letter.

TypeMenu
Output: Αλφα (no language selected)
Output: Αλφα (language Greek activated)

IV. Dieresis Handling (Revised Again!)

Test 17: Lowercase Dieresis:
Input: "ïü"
Expected Output (Uppercase): "ÏŸ"
Purpose: Verify dieresis is preserved on uppercase conversion.

OTpanel
Output: ÏŸ (no language selected)
Output: ÏŸ (language Greek activated)

TypeMenu
Output: ÏŸ (no language selected)
Output: ÏŸ (language Greek activated)

Test 18: Accented Dieresis:
Input: "ḯǘ"
Expected Output (Uppercase): "ÏŸ"
Purpose: Verify dieresis is preserved and accents are removed on uppercase conversion.

OTpanel
Output: ÏŸ (no language selected)
Output: ÏŸ (language Greek activated)

TypeMenu
Output: ΊῪ (no language selected)
Output: ÏŸ (language Greek activated)

Test 19: Uppercase to Lowercase Accented Dieresis:
Input: "ÏŸ"
Expected Output (Lowercase with accents and dieresis): "ïü"
Purpose: Verify proper conversion and re-introduction of dieresis and accents after going through uppercase

OTpanel
Output: ïü (no language selected)

Output: ïü (language Greek activated)

TypeMenu
Output: ïü (no language selected)
Output: ïü (language Greek activated)

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

Test 20: Complex Mixed Input:
    Input: "άβγδΈζηθΙκλμνξόπρσΤυφχψώϊϋίΰ"
    Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ"
    Expected Output (Lowercase): "αβγδέζηθικλμνξόπρστυφχψώϊϋίΰ"
    Purpose: Test all rules in a single, complex input.

        OTpanel
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ (no language selected)
        Output (Lowercase): άβγδέζηθικλμνξόπρστυφχψώϊϋίΰ (no language selected)
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ (language Greek activated)
        Output (Lowercase): άβγδέζηθικλμνξόπρστυφχψώϊϋίΰ (language Greek activated)

        TypeMenu
        Output (Uppercase): ΆΒΓΔΈΕΖΗΘΙΚΛΜΝΞΌΟΠΡΣΤΥΦΧΨΏΩΪΫΐΰ (no language selected)
        Output (Lowercase): άβγδέζηθικλμνξόπρστυφχψώϊϋίΰ (no language selected)
        Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ (language Greek activated)
        Output (Lowercase): άβγδέζηθικλμνξόπρστυφχψώϊϋίΰ (language Greek activated)

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

        OTpanel
        Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ (no language selected)
        Output (Lowercase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου (no language selected)
        Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ (language Greek activated)
        Output (Lowercase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου (language Greek activated)

        TypeMenu
        Output (Uppercase): Ο ΚΑΛΛΙΤΈΧΝΗΣ ΈΔΩΣΕ ΤΟ ΈΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ (no language selected)
        Output (Lowercase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου (no language selected)
        Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ (language Greek activated)
        Output (Lowercase): ο καλλιτέχνης έδωσε το έργο με στυλ ϊου (language Greek activated)