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

TypeMenu
Output: ΈΝΑΣ ΚΑΛΌΣ ΚΌΣΜΟΣ 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): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (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 ΚΑΙΡΌΣ ΉΤΑΝ ΚΑΛΌΣ. (no language selected)
Output: Ο ΚΑΙΡΟΣ ΉΤΑΝ ΚΑΛΟΣ. (language Greek activated)

TypeMenu
Output: Ο ΚΑΙΡΌΣ ΉΤΑΝ ΚΑΛΌΣ. (no language selected)
Output: ο καιρός ήταν καλός. (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: ΆΈΉΊΌΎΏ (no language selected)
        Output: ΆΈΉΊΌΎΏ (language Greek activated)

        TypeMenu
        Output: ΆΈΉΊΌΎΏ (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: "ϊϋ"
       Expected Output (Uppercase): "ΪŸ"
       Purpose: Verify dieresis is preserved on uppercase conversion.

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

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

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

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

              TypeMenu
              Output: ΙŸ (no language selected)
              Output: ΪŸ (language Greek activated)

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

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

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

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

Test 20: Complex Mixed Input:
       Input: "άβγδΕζηθΙκλμνξόπρσΤυφχψώϊϋΐΰ"
       Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪŸΪŸ"
       Expected Output (Lowercase): "αβγδέζηθικλμνξόπρστυφχψωϊϋΐΰ"
       Purpose: Test all rules in a single, complex input.

              OTpanel
              Output (Uppercase): ΆΒΓΔΕΖΗΘΙΚΛΜΝΞΌΠΡΣΤΥΦΧΨΩΪŸΐΰ (no language selected)
              Output (Lowercase): άβγδΕζηθΙκλμνξόπρσΤυφχψώϊϋΐΰ (no language selected)
              Output (Uppercase): ΆΒΓΔΕΖΗΘΙΚΛΜΝΞΌΠΡΣΤΥΦΧΨΩΪŸΐΰ (language Greek activated)
              Output (Lowercase): άβγδΕζηθΙκλμνξόπρσΤυφχψώϊϋΐΰ (language Greek activated)

TypeMenu
Output (Uppercase): ΆΒΓΔΈΖΗΘΙΚΛΜΝΞΌΠΡΣΤΥΦΧΨΏΪΫΙΫ (no language selected)
Output (Lowercase): άβγδέζηθικλμνξόπρστυφχψώϊϋΐΰ (no language selected)
Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΫ (language Greek activated)
Output (Lowercase): άβγδέζηθικλμνξόπρστυφχψώϊϋΐΰ (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 Ίου."
      Purpose: A real-world sentence that covers most of the cases we are testing.

      OTpanel
      Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ 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 ΈΔΩΣΕ ΤΟ ΈΡΓΟ ΜΕ ΣΤΥΛ ΪΟΥ (language Greek activated)
      Output (Lowercase): Ο καλλιτέχνης έδωσε το έργο με στυλ ϊου (language Greek activated)

      TypeMenu
      Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ 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)