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.

Typography panel

Output: ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)

TextMenu
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.

Typography panel
Output: αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

Text Menu
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.

Typography panel
Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)
Output (Lowercase): αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

Text Menu
Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩ (language Greek activated)
Output (Lowercase): αβγδεζηθικλμνξοπρστυφχψω (language Greek activated)

II. Sigma Handling (Final vs. Non-Final)

Test 4: Sigma 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.

Typography panel
Output: ΣΥΝΑΔΕΛΦΟΣ (language Greek activated)

Text Menu
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.

Typography panel
Output: ΕΝΑΣ ΚΑΛΟΣ ΚΟΣΜΟΣ ΕΙΝΑΙ ΕΔΩ (language Greek activated)

Text Menu
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.

Typography panel
Output: σασ (language Greek activated)

Text Menu
Output: σασ (language Greek activated)

Test 7: Multiple Sigmas in a Word (Mixed Cases):
Input: "Σοσσωματώσεις"
Expected Output (Uppercase): "ΣΥΣΣΩΜΑΤΩΣΕΙΣ"
Expected Output (Lowercase): "συσσωματώσεις"
Purpose: Verify handling of multiple sigmas, in particular in lowercase.

Typography panel
Output (Uppercase): ΣΥΣΣΩΜΑΤΩΣΕΙΣ (language Greek activated)
Output (Lowercase): συσσωματώσεις (language Greek activated)

Text Menu
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

Typography panel
Output: Ο ΚΑΙΡΟΣ ΗΤΑΝ ΚΑΛΟΣ. (language Greek activated)

Text Menu
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)

Typography panel
Output: ο καιροσ ηταν καλοσ. (language Greek activated)

Text Menu
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.

Typography panel
Output: ΑΕΗΙΟΥΩ (language Greek activated)

Text Menu
Output: ΑΕΗΙΟΥΩ (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.

Typography panel
Output: αεηιουω (language Greek activated)

Text Menu
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.

Typography panel
Output: Άλφα (language Greek activated)

Text Menu
Output: Άλφα (language Greek activated)

Test 13: Title case when accented letter is not first:
Input: "ποιό"
Expected Output (Title case): "Ποιό"
Purpose: Check that title case does not add accents in subsequent letters.

Typography panel
Output: Ποιό (language Greek activated)
Text Menu
Output: ποιό (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.

Typography panel
Output: Άλφα (language Greek activated)
Text Menu
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.

Typography panel
Output: Αυτό Είναι Το Σωστό (language Greek activated)
Text Menu
Output: Αυτό είναι το σωστό (language Greek activated)

Test 16: Title case with no accents:
Input: "υλάφα"
Expected Output (Title Case): "Υλάφα"
Purpose: Test that title case does add an accent if it's the standard form of that uppercase letter.

Typography panel
Output: Υλάφα (language Greek activated)
Text Menu
Output: υλάφα (language Greek activated)

IV. Dieresis Handling (Revised Again!)

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

Typography panel
Output: ΪΫ (language Greek activated)

Text Menu
Output: ΪΫ (language Greek activated)

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

Typography panel
Output: ΪΥ (language Greek activated)

Text Menu
Output: ΪΥ (language Greek activated)

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

Typography panel
Output: ϊΰ (language Greek activated)

Text Menu
Output: ϊΰ (language Greek activated)

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

Test 20: Complex Mixed Input:
Input: "άβγδΕζΗθΙκλμνξόπρσΤυφχψώϊϋΐΰ"
Expected Output (Uppercase): "ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΥ"
Expected Output (Lowercase): "αβγδεζηθικλμνξόπρστυφχψωϊϋΐΰ"
Purpose: Test all rules in a single, complex input.

Typography panel
Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΥ (language Greek activated)
Output (Lowercase): αβγδεζηθικλμνξόπρστυφχψωϊϋΐΰ (language Greek activated)

Text Menu
Output (Uppercase): ΑΒΓΔΕΖΗΘΙΚΛΜΝΞΟΠΡΣΤΥΦΧΨΩΪΫΪΥ (language Greek activated)
Output (Lowercase): αβγδεζηθικλμνξόπρστυφχψωϊϋΐΰ (language Greek activated)

Test 21: A sentence with all edge cases included:
Input: "Ο καλλιτέχνης έδωσε το έργο με στυλ ίου."
Expected Output (Uppercase): "Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΙΟΥ."
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.

Typography panel
Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΙΟΥ. (language Greek activated)
Output (Lowercase): ο καλλιτέχνης έδωσε το έργο με στυλ ίου. (language Greek activated)

Text Menu
Output (Uppercase): Ο ΚΑΛΛΙΤΕΧΝΗΣ ΕΔΩΣΕ ΤΟ ΕΡΓΟ ΜΕ ΣΤΥΛ ΙΟΥ. (language Greek activated)
Output (Lowercase): ο καλλιτέχνης έδωσε το έργο με στυλ ίου. (language Greek activated)