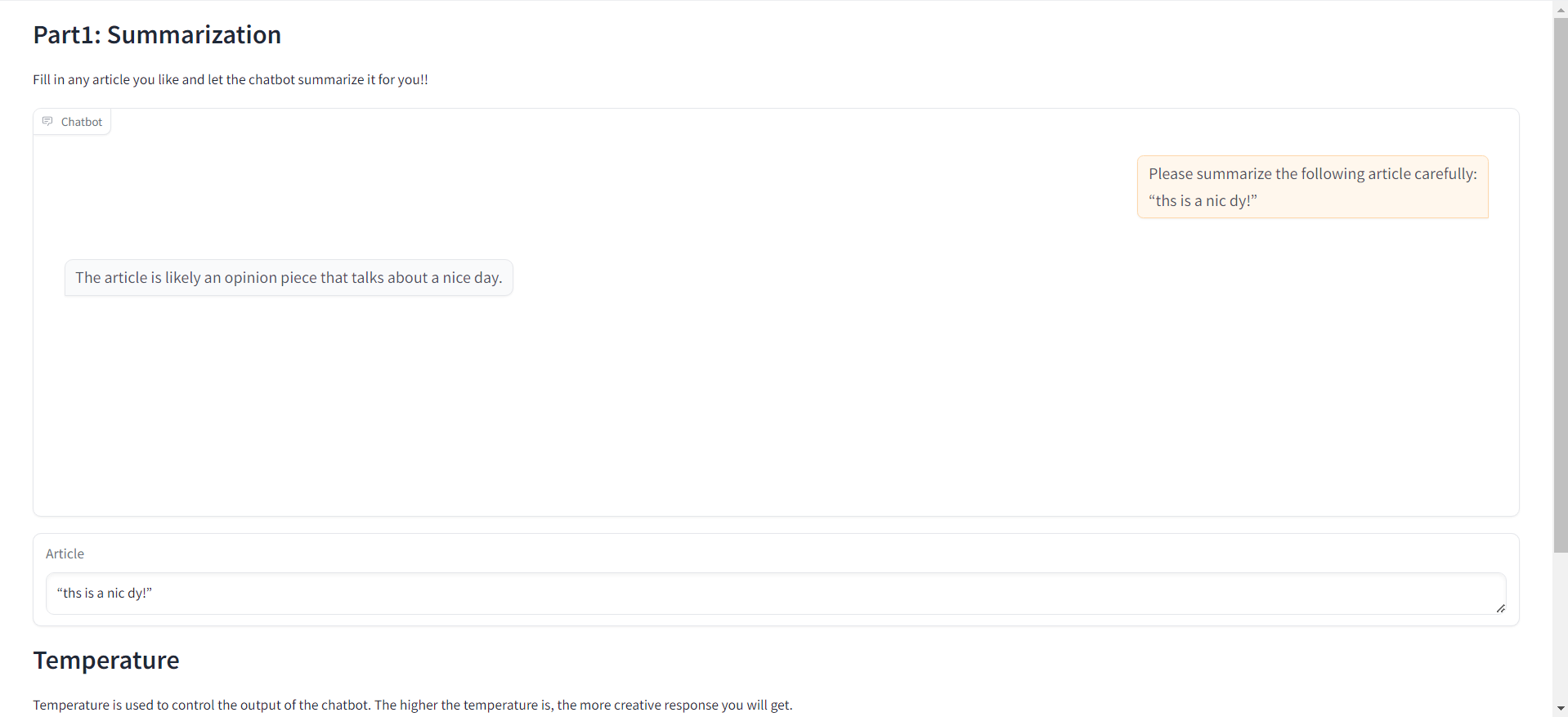
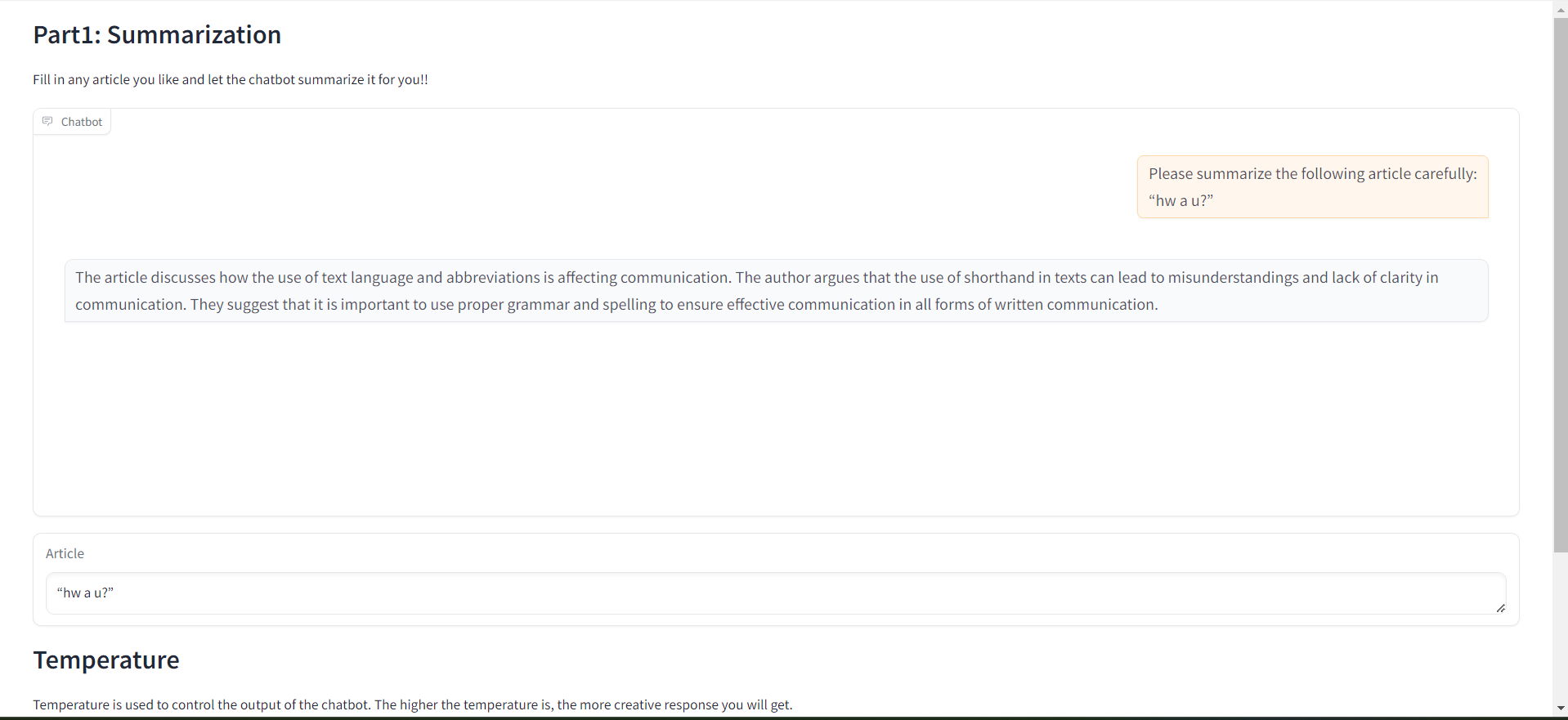
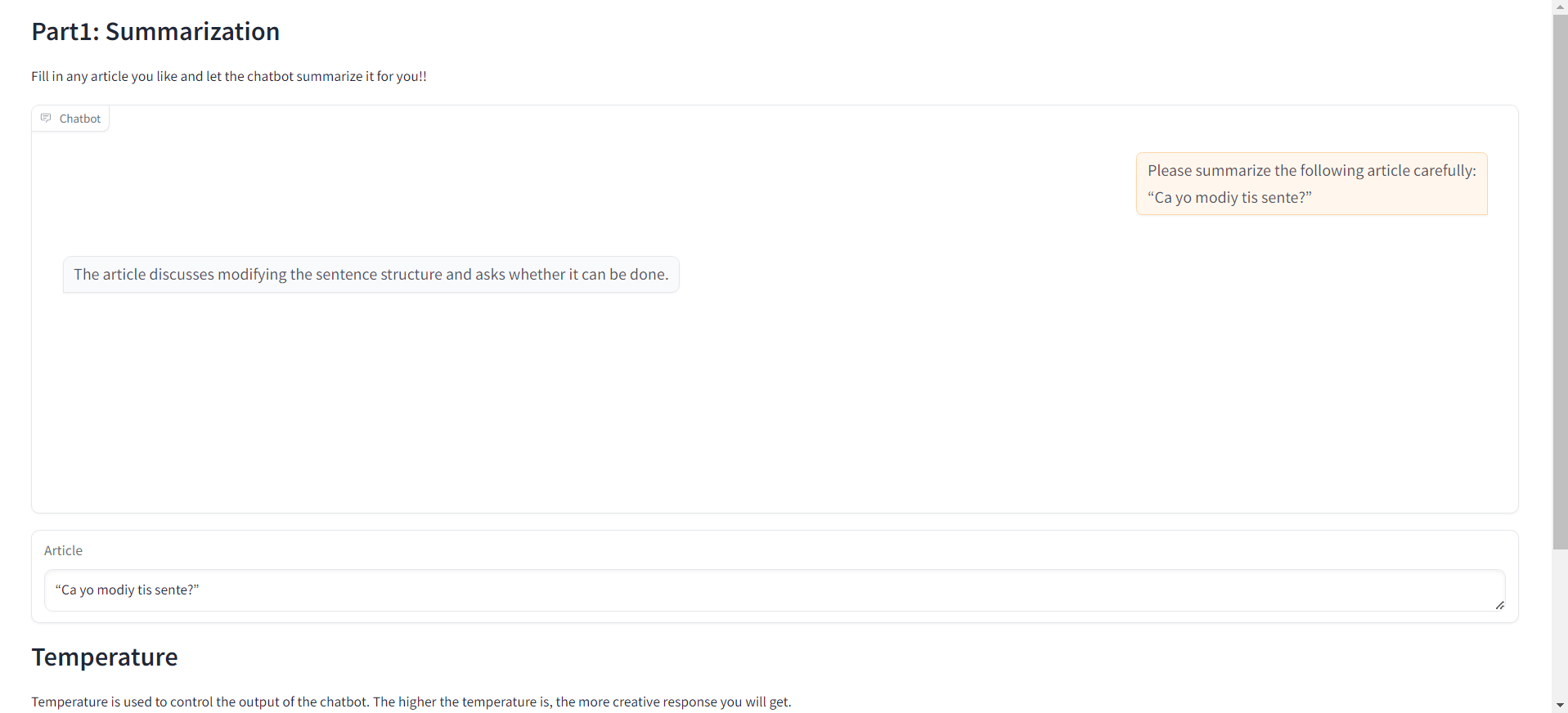
**PART 3 OUTPUTS**

**TEST CASE 1**

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**TEST CASE 2**

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**TESTCASE 3**