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| **Test Case ID** | Valid Hiragana and Katakana Test 21 ぎゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | ぎゃ、ぎゅ、ぎょ  ギャ、ギュ、ギョchecked |
| **Inputs** | Gya, gyu, gyo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 22 じゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | じゃ、じゅ、じょ  ジャ、ジュ、ジョchecked |
| **Inputs** | Jya, jyu,jyo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: failed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 23 ぢゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | ぢゃ、ぢゅ、ぢょ  ヂャ、ヂュ、ヂョchecked |
| **Inputs** | Dya,dyu,dyo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 24 びゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | びゃ、びゅ、びょ  ビャ、ビュ、ビョchecked |
| **Inputs** | Bya,byu,byo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 25 ぴゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | ぴゃ、ぴゅ、ぴょ  ピャ、ピュ、ピョchecked |
| **Inputs** | Pya, pyu, pyo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 26 りゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | りゃ、りゅ、りょ  リャ、リュ、リョchecked |
| **Inputs** | Rya, ryu, ryo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 1 Special Case – じゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | じゃ、じゅ、じょ  ジャ、ジュ、ジョchecked |
| **Inputs** | Ja, ju, jo |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed– Hirigana, Katakana** |

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| **Test Case ID** | Invalid Hiragana and Katakana Test 2 Special Case – ちゃ series |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | ちゃ、ちゅ、ちょ  チャ、チュ、チョchecked |
| **Inputs** | Ca, cu, co |
| **Expected Outputs** | Input accepted,  Answer marked as Incorrect |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 3 Special Case – つ |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | つ、ツchecked |
| **Inputs** | tu |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

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| **Test Case ID** | Valid Hiragana and Katakana Test 4 Special Case –  ち |
| **Purpose** | To ensure the correct romanji are associated with the correct hiragana and katakana character in the kana study reading test |
| **Preconditions** | ちchecked |
| **Inputs** | ti |
| **Expected Outputs** | Input accepted,  Answer marked as Correct |
| **Postconditions** | None |
| **Execution History** | **Try 1: passed – Hirigana, Katakana** |

\*Note: all tests will be implemented manually due to their ease of implementation, and their one time applicability.