Test 1 - wordlist.csv Test 1 - crozzle.txt Valid crozzle Valid score 57 Test 2 - wordlist.csv Valid Test 2 - crozzle.txt Valid crozzle Valid score 687 Test 3 - wordlist.csv Valid Test 3 - crozzle.txt Valid crozzle Valid score 2060 Valid Test 4 - wordlist.csv Test 4 - crozzle.txt Valid crozzle Valid 1375 score Test 5 - wordlist.csv Invalid error: field 0: number of words value (5) is not in range Test 5 - crozzle.txt NA error: field 1: row size value (500) is not in range error: field 2: column size value (1000) is not in range error: wordlist contains less than 10 words Test 6 - wordlist.csv Invalid error: field 0 is empty Test 6 - crozzle.txt error: field 0: number of words value () is not an integer NA error: field 1: row size value (banana) is not an integer error: field 2: column size value (capsicum) is not an integer error: word value () is not alphabetic error: word value (:-)) is not alphabetic error: wordlist contains less than 10 words Test 7 - wordlist.csv Valid Test 7 - crozzle.txt Invalid error: line 3: file contains 3 rows, it must contain at least 4 rows error: line 3: file contains 3 rows, instead of 4 rows Test 8 - wordlist.csv Valid Test 8 - crozzle.txt error: line 1: row contains 4 columns, instead of 5 columns Invalid error: line 1: cell[1, 1] contains "?", it should contain exactly 1 alphabetic character or a space error: line 2: row contains 4 columns, instead of 5 columns error: line 3: row contains 4 columns, instead of 5 columns error: line 4: row contains 4 columns, instead of 5 columns error: line 5: row contains 3 columns, instead of 5 columns error: line 5: cell[5, 3] contains "tab", it should contain exactly 1 alphabetic character or a space Test 9 - wordlist.csv Valid Test 9 - crozzle.txt Valid Invalid Constraint C1 SELRAHC is not in the wordlist crozzle Constraint C2 MARY exists more than once Constraint E4 No gap between JACK and GARY Constraint E5 No gap between MARY and JESSICA Test 10 - wordlist.csv Valid Test 10 - crozzle.txt Valid crozzle Invalid Constraint M1 JOHNATHON intersects 4 words (not 1 or 2 words) Constraint M2 ROGER intersects 3 words (not 1 or 2 words) Test 11 - wordlist.csv Valid Test 11 - crozzle.txt Invalid Constraint H1 error: "LE" at (3, 9) is horizontal but does not intersect a vertical word crozzle Constraint H1 error: "RAS" at (10, 10) is horizontal but does not intersect a vertical word Constraint H2 error: "ORAN" at (10, 8) is vertical but does not intersect a horizontal word Constraint H2 error: "RAY" at (13, 10) is vertical but does not intersect a horizontal word Test 12 - wordlist.csv Valid Test 12 - crozzle.txt Valid crozzle Invalid Constraint Ex3 error: this crozzle contains more than one group of words

Valid