

CLASSES	STATUS	TIME	PASSED/TOTAL	REPORT
SentenceStructureInfoTest	PASSED	TOTAL: 33 ms	15/15	
Test basic constructor initialization	PASSED	14 ms		✓ ✓ SentenceStructureInfoTest (org.example.SentenceStructures) 33 ms
Test empty Template	PASSED	3 ms		✓ Test basic constructor initialization 14 ms
Test Template with no placeholders	PASSED	<1 ms		✓ Test empty template 3 ms
Test template with single placeholder type	PASSED	1ms		✓ Test template with no placeholders
Test template with multiple placeholder types	PASSED	1ms		✓ Test template with single placeholder type 1ms
Test template with repeated placeholders	PASSED	1ms		✓ Test template with multiple placeholder types 1ms
Test template with mixed content	PASSED	1ms		✓ Test template with repeated placeholders 1ms
Test getCount for non-existent types	PASSED	<1 ms		✓ Test template with mixed content 1ms
Test template with special characters and spacing	PASSED	<1 ms		✓ Test getCount for non-existent types
Test template with punctuation	PASSED	<1 ms		✓ Test template with special characters and spacing
Test getAllCounts map properties	PASSED	4ms		✓ Test template with punctuation
Test template consistency and immutability	PASSED	1ms		✓ Test getAllCounts map properties 4 ms
Test edge cases and boundary conditions	PASSED	1ms		✓ Test template consistency and immutability 1ms
Test WordUtil.TypeCheck integration	PASSED	1ms		✓ Test edge cases and boundary conditions 1ms
Test performance with large templates	PASSED	5ms		✓ Test WordUtil.TypeCheck integration 1ms
				✓ Test performance with large templates 5 ms
SentenceStructureTest	PASSED	TOTAL: 95 ms	14/14	
Test basic constructor and initialization	PASSED	35ms		✓ ✓ SentenceStructuresTest (org.example.SentenceStructures) 95 ms
Test loading with empty file	PASSED	4ms		✓ Test basic constructor and initialization 35 ms
Test loading with single line file	PASSED	5ms		✓ Test loading with empty file 4 ms
Test loading with multiple lines	PASSED	3ms		✓ Test loading with single line file 5 ms
Test loading with blank lines	PASSED	2ms		✓ Test loading with multiple lines 3 ms
Test loading with special characters	PASSED	4ms		✓ Test loading with blank lines 2 ms
Test getStructures method properties	PASSED	3ms		✓ Test loading with special characters 4 ms
Test file loading robustness	PASSED	4ms		✓ Test getStructures method properties 3 ms
Test loading with different line endings	PASSED	2ms		✓ Test file loading robustness 4 ms
Test memory efficiency and performance	PASSED	21ms		✓ Test loading with different line endings 2 ms
Test WordUtil integration behavior	PASSED	2ms		✓ Test memory efficiency and performance 21 ms
Test structure content validation	PASSED	2ms		✓ Test WordUtil integration behavior 2 ms
Test data integrity and immutability	PASSED	5ms		✓ Test structure content validation 2 ms
Test integration with WordUtil	PASSED	3ms		✓ Test data integrity and immutability 5 ms
				✓ Test integration with WordUtil 3 ms
WordListTest	PASSED	TOTAL: 89 ms	16/16	
Test WordList constructor with valid file	PASSED	28 ms		✓ ✓ WordListTest (org.example.words) 89 ms
Test WordList constructor with empty file	PASSED	3 ms		✓ Test WordList constructor with valid file 28 ms
Test WordList constructor with file containing blank lines	PASSED	2 ms		✓ Test WordList constructor with empty file 3 ms
Test WordList constructor with single word file	PASSED	3 ms		✓ Test WordList constructor with file containing blank lines 2 ms
Test WordList constructor behavior documentation	PASSED	1 ms		✓ Test WordList constructor with single word file 3 ms
Test Random method with populated list	PASSED	5 ms		✓ Test WordList constructor behavior documentation 1ms
Test Random method with empty list	PASSED	6 ms		✓ Test Random method with populated list 5 ms
Test Random method with single word	PASSED	1 ms		✓ Test Random method with empty list 6 ms
Test Random method distribution	PASSED	14 ms		✓ Test Random method with single word 1 ms
Test WordList with large file	PASSED	13 ms		✓ Test Random method distribution 14 ms
Test WordList inheritance structure	PASSED	2 ms		✓ Test WordList with large file 13 ms
Test protected fields access	PASSED	2 ms		✓ Test WordList inheritance structure 2 ms
				✓ Test protected fields access 2 ms

Test WordList with special characters	PASSED	2 ms		✓ Test WordList with special characters	2 ms
Test WordList error resilience	PASSED	3 ms		✓ Test WordList error resilience	3 ms
Test WordList state consistency	PASSED	2 ms		✓ Test WordList state consistency	2 ms
Test WordList abstract class behavior	PASSED	2 ms		✓ Test WordList abstract class behavior	2 ms
WordUtilTest	PASSED	TOTAL: 21 ms	4/4		
testTypeSubstituteReplacesPlaceholder()	PASSED	13 ms		✓ WordUtilTest (org.example.words)	21 ms
testTypeCheckReturnsNullForNoBrackets()	PASSED	2 ms		✓ testTypeSubstituteReplacesPlaceholder()	13 ms
testTypeCheckDetectsType()	PASSED	4 ms		✓ testTypeCheckReturnsNullForNoBrackets()	2 ms
testRandomizerWithinBounds()	PASSED	2 ms		✓ testTypeCheckDetectsType()	4 ms
				✓ testRandomizerWithinBounds()	2 ms
AppTest	PASSED	TOTAL: 30 sec 856 ms	15/15		
Test App initialization	PASSED	21 ms		✓ AppTest (org.example)	30 sec 856 ms
Test SentenceResult class	PASSED	3 ms		✓ Test App initialization	21 ms
Test null input validation	PASSED	3 ms		✓ Test SentenceResult class	3 ms
Test empty input validation	PASSED	1 ms		✓ Test null input validation	3 ms
Test whitespace-only input validation	PASSED	2 ms		✓ Test empty input validation	1 ms
Test input without letters validation	PASSED	2 ms		✓ Test whitespace-only input validation	2 ms
Test valid simple input	PASSED	3 sec 608 ms		✓ Test input without letters validation	2 ms
Test longer input sentence	PASSED	2 sec 239 ms		✓ Test valid simple input	3 sec 608 ms
Test input with punctuation	PASSED	1 sec 794 ms		✓ Test longer input sentence	2 sec 239 ms
Test various input types	PASSED	9 sec 277 ms		✓ Test input with punctuation	1 sec 794 ms
Test toxicity range validation	PASSED	2 sec 650 ms		✓ Test various input types	9 sec 277 ms
Test result consistency	PASSED	2 sec 752 ms		✓ Test toxicity range validation	2 sec 650 ms
Test performance with reasonable timeout	PASSED	1 sec 750 ms		✓ Test result consistency	2 sec 753 ms
Test result structure completeness	PASSED	1 sec 227 ms		✓ Test performance with reasonable timeout	1 sec 750 ms
Test edge cases	PASSED	5 sec 526 ms		✓ Test result structure completeness	1 sec 227 ms
				✓ Test edge cases	5 sec 526 ms
GoogleCredentialsProviderTest	PASSED	TOTAL: 136 ms	12/12		
Test missing credentials file	PASSED	14 ms		✓ GoogleCredentialsProviderTest (org.example)	136 ms
Test invalid JSON credentials file	PASSED	38 ms		✓ Test missing credentials file	14 ms
Test empty credentials file	PASSED	2 ms		✓ Test invalid JSON credentials file	38 ms
Test credentials file with invalid structure	PASSED	2 ms		✓ Test empty credentials file	2 ms
Test credentials file with mock service account structure	PASSED	9 ms		✓ Test credentials file with invalid structure	2 ms
Test provider caching mechanism	PASSED	53 ms		✓ Test credentials file with mock service account structure	9 ms
Test credentials file path resolution	PASSED	4 ms		✓ Test provider caching mechanism	53 ms
Test static provider field access	PASSED	1 ms		✓ Test credentials file path resolution	4 ms
Test credentials file permissions	PASSED	3 ms		✓ Test static provider field access	1 ms
Test concurrent access to provider	PASSED	7 ms		✓ Test credentials file permissions	3 ms
Test error handling and cleanup	PASSED	2 ms		✓ Test concurrent access to provider	7 ms
Test class constants and structure	PASSED	1 ms		✓ Test error handling and cleanup	2 ms
				✓ Test class constants and structure	1 ms
UITest	PASSED	TOTAL: 524 ms	12/12		
Test UI application initialization	PASSED	13 ms		✓ UITest (org.example)	524 ms
Test stage creation and properties	PASSED	88 ms		✓ Test UI application initialization	13 ms
Test scene creation and attachment	PASSED	188 ms		✓ Test stage creation and properties	88 ms
Test FXML resource loading	PASSED	2 ms		✓ Test scene creation and attachment	188 ms

	PASSED	4 ms		✓ Test FXML resource loading ✓ Test CSS stylesheet loading ✓ Test logo image resource loading ✓ Test application resource paths ✓ Test UI start method error handling ✓ Test stage properties and behavior ✓ Test scene properties and structure ✓ Test application lifecycle ✓ Test resource accessibility patterns	2 ms 4 ms 58 ms 1 ms 150 ms 16 ms 1 ms 1 ms 2 ms	
Test CSS stylesheet loading	PASSED	4 ms				
Test logo image resource loading	PASSED	58 ms				
Test application resource paths	PASSED	1 ms				
Test UI start method error handling	PASSED	150 ms				
Test stage properties and behavior	PASSED	16 ms				
Test scene properties and structure	PASSED	1 ms				
Test application lifecycle	PASSED	1 ms				
Test resource accessibility patterns	PASSED	2 ms				
MainControllerTest	PASSED	TOTAL: 9 sec 161 ms	6/6			
Test UI Initialization	PASSED	106 ms		▼ ✓ MainControllerTest (org.example.controller)	9 sec 161 ms	
Test empty input	PASSED	17 ms		✓ Test UI Initialization	106 ms	
Test generation with valid input	PASSED	5 sec 15 ms		✓ Test empty Input	17 ms	
Test toggle syntax tree visibility	PASSED	8 ms		✓ Test generation with valid input	5 sec 15 ms	
Test generation with special characters	PASSED	4 sec 12 ms		✓ Test toggle syntax tree visibility	8 ms	
Test controller availability	PASSED	3 ms		✓ Test generation with special characters ✓ Test controller availability	4 sec 12 ms 3 ms	