Class	Description	Responsibilities	Collaborators	JUnit Test (Y/N)
Dictionary	Stores dictionary words	1. Reads in dictionary words from file 2. Adds new words to the file	IOInterface	
IOInterface	Reads in user text file	1. Spellchecks words 2. Asks user to check and replace/keep mispelled words 2. Analyzes word, vowel, and consonant counts	PatterChecker, SpellChecker, TextDocument UI, vowelConsonantAnalysis, Word Recommender, DatatoTExtFile SpellingAnalysis	
PatternChecker	Determine if input string is a number and detects punctuation	1. Detects punctuation 2. Determines if input values are integers	TextDocumentUI	Y
SpellChecker	Runs program	Runs program	IOInterface	
SpellingAnalysis	Runs various analysis on t	1. Gives Readability Statistic 2. Gives Syllable Count	IOInterface	Y
TextDocumentUI	Allows user to make and write his/her own text file	1. Creates and saves document 2. Checks for spelling and other analysis	IOInterface, PatternChecker, TextFormatting	
TextFormatting	Inserts line breaks	1. Limits characters per line to 80	IOInterface	
vowelConsonantAnalysis	Conducts consonant and Vowel analysis of the text file	1. Calculates the total number of vowels and consonants in the text file 2. Calculates the average number of vowels and consonants per word in the text file	IOInterface	Y
WordRecommender	Algorithms for choosing the best recommendations for mispelled words	1. Calculates similarity metric 2. Calculates common Letters 3. Returns recommended words	IOInterface, SpellChecker	
DataToTextFile	Allows user to create a csv formated table in a text file	1. Inserts data based on user input 2. Displays data in a text file	IOInterface, SpellChecker	