Use Case	Brief description	Pre-condition	Post-condition	Special Requirements	Expected Result	Steps	Actual Result	Status
UI	The user enters the sentence to be analyzed and ticks the box to show the syntactic tree.	Valid input	The user sees the results and the syntactic tree	The user input must be valid, if it's not-valid (blanks, non-existent words, punctuation) the system requires a new input.	The user sees the application	Launch application	The user sees the application	PASS
Box	The user cna tick the box to see the syntactic tree	The UI is lunched	If the box is ticked, UI shows the syntactic tree	The UI must be lunched correctly	If the box is ticked, UI shows the syntactic tree	Tick the box	If the box is ticked, UI shows the syntactic tree	PASS
Analyze syntax	The App access the Google API (Analyzing Syntax) to analyze correspondingly the input sentence and the output sentence	The user must have working Google API credentials	The input sentence is split in phrases	The user must have working Google API credentials	The phrases are sent to App	• Enter a valid sentence • Click on generate button	The phrases are sent to App	PASS
Toxicity	The app sends the output sentence to Google's Moderate Text API to determine the level of toxicity.	App generates an output sentence	App receives the toxicity level	The user must have working Google API's credentials.	The user sees the toxicity level of the sentence generated	• Enter a valid sentence • Click on generate button	The user sees the toxicity level of the sentence generated	PASS
Word List	The application loads lists of nouns, adjectives, verbs, adverbs, articles and pronous from their corresponding .txt files located in the resources folder. These lists are then used to generate nonsense sentences	-	The application holds in memory categorized lists of words ready for use in generation output	Each file.txt must exist and contain at least one valid word per category. Each file.txt must be correctly loaded in the source code	Lists of nous, adjectives, verbs, articles, adverbs and pronous are loaded in the application from the .txt files	Launch application	Lists of nouns, adjectives, verbs, articles, adverbs and pronouns are loaded in the application from the .txt files	PASS
App	It's the main core of the system, it deals with the basic logic that parses the input sentence and provides an output to UI	Correct credentials	The UI receives the generated output	The user must insert his correct and valid API Google Cloud's credentials in the correct file (credentials.json) so that the App can have access to the Google's API	The UI receives the final output form the App	• Launch application • Enter a valid sentence • Click on generate button	The UI receives the final output form the App	PASS
Resources	The app randomly selects: nouns, adjectives, verbs, adverbs, articles, pronouns, sentence structures; from correspondingly: Nouns.txt, Adjectives.txt, Verbs.txt, adverbs.txt, Articles.txt, Pronouns.txt, Sentence Structures.txt.	The App needs to loads the sentence structure template with the selected list of noun,verbs,...	The output sentence template is loaded with all the words needed	The files must be not empty	The App loads the sentence structure template with the selected list of noun,verbs,...	• Launch application • Enter a valid sentence • Click on generate button	The App loads the sentence structure template with the selected list of noun,verbs,...	PASS
User	The user lunches the app and enters an input sentence and if he wants ticks the box for the syntactic tree. Then the system provides the output	The User sentence is entered and analyzed only if valid	The output is printed	The user must be able to lunch the app	The user see the complete output result	• Launch application • Enter a valid sentence • Click on generate button	The user see the complete output result	PASS