

Function	#	Description	Sample Input Data	Expected Output	Actual Input	P / F
AddEntries	1	Language and Word are in small letters	Language: filipino Word: mahal	aDictionary[0].aTrans[0] contains: strLang: filipino strWord: mahal	aDictionary[0].aTrans[0] contains: strLang: filipino strWord: mahal	P
	2	Language and Word are in proper form	Language: Filipino Word: Mahal	aDictionary[0].aTrans[0] contains: strLang: Filipino strWord: Mahal	aDictionary[0].aTrans[0] contains: strLang: Filipino strWord: Mahal	P
	3	Language and Word are in capital letters	Language: FILIPINO Word: MAHAL	aDictionary[0].aTrans[0] contains: strLang: FILIPINO strWord: MAHAL	aDictionary[0].aTrans[0] contains: strLang: FILIPINO strWord: MAHAL	P
	4	Language and Word are in mixed letters	Language: FiLiPiNo Word: MaHaL	aDictionary[0].aTrans[0] contains: strLang: FiLiPiNo strWord: MaHaL	aDictionary[0].aTrans[0] contains: strLang: FiLiPiNo strWord: MaHaL	P
	5	Language and Word have a duplicate entry	Language: filipino Word: mahal	If user still wants to add the entry into the dictionary: aDictionary[0].aTrans[0] contains: strLang: filipino strWord: mahal else, aDictionary[0].aTrans[0] contains nothing / garbage value	If user still wants to add the entry into the dictionary: aDictionary[0].aTrans[0] contains: strLang: filipino strWord: mahal else, aDictionary[0].aTrans[0] contains nothing / garbage value	P
	6	No entries in Language and Word	Language: Word:	*Infinite Loop*	*Infinite Loop*	P
AddTranslations	1	Language and Word has a singular entry in the dictionary	Language: chinese Word: ai	Display: This is the only language translation pair that is similar: 1) Filipino: mahal Chinese: ai	Display: This is the only language translation pair that is similar: 1) Filipino: mahal Chinese: ai	P
	2	Language and Word has multiple entries in the dictionary	Language: filipino Word: mahal	Display: These are the language translation pair that is similar: 1) Filipino: mahal Chinese: ai 2) Filipino: mahal English: expensive	Display: These are the language translation pair that is similar: 1) Filipino: mahal Chinese: ai 2) Filipino: mahal English: expensive	P
	3	Language and Word has no entries inside the dictionary	Language: japanese Word: aishiteru	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
ModifyEntries	1	User picks an entry within index number	User types in '1' to change values of aDictionary[0]	*Continues to case 3 and 4*	*Continues to case 3 and 4*	P
	2	User picks entry outside index number	User types in '2' to change values of aDictionary[0]	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
	3	User picks an entry for a pair	User types in '1' to change values of aDictionary[0].aTrans[0]	*Continues to case 5 and 9*	*Continues to case 5 and 9*	P
	4	User types in an entry that's not a pair	User types in '2'	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
	5	User types in a different language and word (no capital letters)	Language: korean Word: sarang	aDictionary[0].aTrans[0] contains: strLang: korean strWord: sarang	aDictionary[0].aTrans[0] contains: strLang: korean strWord: sarang	P

	6	User types in a different language and word (proper form)	Language: Korean Word: Sarang	aDictionary[0].aTrans[0] contains: strLang: Korean strWord: Sarang	aDictionary[0].aTrans[0] contains: strLang: Korean strWord: Sarang	P
	7	User types in a different language and word (all capital letters)	Language: KOREAN Word: SARANG	aDictionary[0].aTrans[0] contains: strLang: KOREAN strWord: SARANG	aDictionary[0].aTrans[0] contains: strLang: KOREAN strWord: SARANG	P
	8	User types in a different language and word (mix of capital and small words)	Language: KoReAn Word: SaRaNg	aDictionary[0].aTrans[0] contains: strLang: KoReAn strWord: SaRaNg	aDictionary[0].aTrans[0] contains: strLang: KoReAn strWord: SaRaNg	P
	9	User types in no language and word	Language: Word:	*Infinite Loop*	*Infinite Loop*	P
DeleteEntry	1	User picks an entry within index number	User types in '1' to delete values from aDictionary[0]	Deletes every value of aDictionary[0]	Deletes every value of aDictionary[0]	P
	2	User picks entry outside index number	User types in '2'	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
DeleteTranslation	1	User picks an entry within index number	User types in '1' to delete values of aDictionary[0]	*Continues to case 3 and 4*	*Continues to case 3 and 4*	P
	2	User picks entry outside index number	User types in '2'	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
	3	User types in an entry for a pair	User types in '1' to change values of aDictionary[0].aTrans[0]	Deletes values of aDictionary[0].aTrans[0]	Deletes values of aDictionary[0].aTrans[0]	P
	4	User types in an entry that's not a pair	User types in '2'	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
	5	User deletes the last entry inside the array	User types in '1' to delete the last entry of aDictionary[0]	Moves contents of other parts of dictionary to replace the empty dictionary.	Moves contents of other parts of dictionary to replace the empty dictionary.	P
DisplayAllEntries	1	User tries to display entries without any entries inside the array	User types in '6' to choose to display entries.	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
	2	User chooses to display entries inside the dictionary	User types in '6' to choose to display entries.	*Continues to case 3 to 4*	*Continues to case 3 to 4*	P
	3	User tries to look for other entries	User types in 'Y' to see the next entry	The function displays aDictionary[0].aTrans[0], then displays on aDictionary[0].aTrans[1]	The function displays aDictionary[0].aTrans[0], then displays on aDictionary[0].aTrans[1]	P
	4	User tries to look for entries outside the dictionary	User types in 'Y' to try and see the next entry	The function displays aDictionary[0].aTrans[0], then displays on aDictionary[0].aTrans[1], then loops in aDictionary[0].aTrans[1]	The function displays aDictionary[0].aTrans[0], then displays on aDictionary[0].aTrans[1], then loops in aDictionary[0].aTrans[1]	P
SearchWord	1	User looks up a word inside the dictionary that exists	User types in 'mahal'	Display: 1) Chinese: ai 2) Tagalog: mahal	Display: 1) Chinese: ai 2) Tagalog: mahal	P
	2	User looks up a word that does not exist in the dictionary	User types in 'aishiteru'	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
SearchTranslation	1	User looks up a word and the language of the word that exists in the dictionary	User types in 'mahal' and 'tagalog'	Display: 1) Chinese: ai 2) Tagalog: mahal	Display: 1) Chinese: ai 2) Tagalog: mahal	P
	2	User looks up a word and language of the word that does not exist in the dictionary	User types in 'aishiteru' and 'japanese'	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
Export	1	User types in a file name without ".txt" at the end	User types in "trial"	*Error Message* then reverts back to main menu.	*Error Message* then reverts back to main menu.	P
	2	User types in a file name with ".txt" at the end of the string	User types in "trial.txt"	*Continues to case 3*	*Continues to case 3*	P
	3	User types in a file name that only exists	User types in "trial.txt" even though there is a file inside the folder	*Continues to case 5 to 6*	*Continues to case 5 to 6*	P
	4	User types in a file that does not exist	User types in "trial.txt"	Replaces the contents of the text file, then continues to case 5 and 6.	Replaces the contents of the text file, then continues to case 5 and 6.	P

	5	Dictionary does not have any data inside	nCount = 0;	"trial.txt" is just a blank file	"trial.txt" is just a blank file	P
	6	Dictionary has data inside	0 > nCount > 150	"trial.txt" has text inside	"trial.txt" has text inside	P
Import	1	File does not have any contents	Newly created file without any data inside, then passed off as a parameter	aDictionary[0].aTrans[0] will not have any data	aDictionary[0].aTrans[0] will not have any data	P
	2	File does have contents	File that has data inside	aDictionary[0].aTrans[0] will contain data aDictionary[0].aTrans[1] will contain data ... until new line or eof	aDictionary[0].aTrans[0] will contain data aDictionary[0].aTrans[1] will contain data ... until new line or eof	P
IdentifyMainLanguage	1	The sentence made has symbols inside the word	ma!hal ma!hal	Result:	Result:	P
	2	The sentence made has no symbols inside	mahal mahal	Result: Cebuano: 2 Tagalog: 2	Result: Cebuano: 2 Tagalog: 2	P
	3	The sentence made has symbols at the end per word	mahal# mahal#	Result: Cebuano: 2 Tagalog: 2	Result: Cebuano: 2 Tagalog: 2	P
SimpleTranslation	1	The sentence made has symbols inside the word	Sentence: I ma!hal cc!prog2 Language: English	Result: I ma!hal cc!prog2	Result: I ma!hal cc!prog2	P
	2	The sentence made has no symbols inside	Sentence: I mahal ccprog2 Language: English	Result: I expensive ccprog2	Result: I expensive ccprog2	P
		The sentence made has symbols at the end per word	Sentence: I, mahal! Ccprog2@ Language: English	Result: I expensive ccprog2	Result: I expensive ccprog2	P
AddTranslations2	1	Language and Word are in small letters	Language: chinese Word: ai	aDictionary[0].aTrans[1] contains: strLang: chinese strWord: ai	aDictionary[0].aTrans[1] contains: strLang: chinese strWord: ai	P
	2	Language and Word are in proper form	Language: Chinese Word: Ai	aDictionary[0].aTrans[1] contains: strLang: Chinese strWord: Ai	aDictionary[0].aTrans[1] contains: strLang: Chinese strWord: Ai	P
	3	Language and Word are in capital letters	Language: CHINESE Word: AI	aDictionary[0].aTrans[1] contains: strLang: CHINESE strWord: AI	aDictionary[0].aTrans[1] contains: strLang: CHINESE strWord: AI	P
	4	Language and Word are in mixed letters	Language: ChInEsE Word: Ai	aDictionary[0].aTrans[1] contains: strLang: ChInEsE strWord: Ai	aDictionary[0].aTrans[1] contains: strLang: ChInEsE strWord: Ai	P
Swap	1	Swapping wordType1 and wordType2	wordType 1: Filipino, mahal wordType 2: Chinese, ai	wordType 1: Chinese, ai wordType 2: Filipino, mahal	wordType 1: Chinese, ai wordType 2: Filipino, mahal	P
SortAlphabetical	1	Languages in the array aDictionary[0].aTrans are already alphabetical	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	P

	2	Languages in the array aDictionary[0].aTrans are in decreasing order (Z - A)	aDictionary[0].aTrans[0].strLang: Filipino aDictionary[0].aTrans[1].strLang: English aDictionary[0].aTrans[2].strLang: Chinese aDictionary[0].aTrans[3].strLang: Cebuano	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	P
	3	Languages in the array aDictionary[0].aTrans are randomly placed	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Filipino aDictionary[0].aTrans[2].strLang: Chinese aDictionary[0].aTrans[3].strLang: English	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	aDictionary[0].aTrans[0].strLang: Cebuano aDictionary[0].aTrans[1].strLang: Chinese aDictionary[0].aTrans[2].strLang: English aDictionary[0].aTrans[3].strLang: Filipino	P
Check	1	Word has a symbol at the end	Word: mahal!	Word: mahal	Word: mahal	P
	2	Word does not have a symbol at the end	Word: mahal	Word: mahal	Word: mahal	P
	3	Word has a symbol in between characters	Word: ma,hal	Word: ma,hal	Word: ma,hal	P
SortArray	1	Languages in the array are already alphabetical	Cebuano, Cebuano, Chinese, Filipino, Filipino	Cebuano, Cebuano, Chinese, Filipino, Filipino	Cebuano, Cebuano, Chinese, Filipino, Filipino	P
	2	Languages in the array are in decreasing order (Z - A)	Filipino, Filipino, Chinese, Cebuano Cebuano	Cebuano, Cebuano, Chinese, Filipino, Filipino	Cebuano, Cebuano, Chinese, Filipino, Filipino	P
	3	Languages in the array are randomly placed	Cebuano, Filipino, Cebuano, Filipino, Chinese, Chinese	Cebuano, Cebuano, Chinese, Filipino, Filipino	Cebuano, Cebuano, Chinese, Filipino, Filipino	P
FoundTrans	1	Word is found inside the dictionary	Word: mahal	Returns 1	Returns 1	P
	2	Word is not found inside the dictionary	Word: aishiteru	Returns 0	Returns 0	P
GetTranslationPair	1	The sentence has a colon in the middle	Tagalog: mahal	Language: Tagalog Word: mahal	Language: Tagalog Word: mahal	P