Unit Test Plan Template

Project Name: Project Sponsor: Service Owner: Project Manager: Document Date:

1. Unit Test Plan Scope (In Scope – Out of Scope)				
In Scope	Out of Scope			
Validator.isEmailValid()	ReverseString()			
ArrayHelper.countUniqueElements()	MathHelper()			
CryptoHelper.encryptText()				
,				

2. Unit Test Cases					
ID	Test Cases	Input Value	Expected Output		
1.1	Method isEmailValid() in class Validator with valid email	"test@example .com"	true		
1.2	Method isEmailValid() in class Validator with invalid email	"test@com"	false		
1.3	Method isEmailValid() in class Validator with empty string	un	false		
2.1	Method countUniqueElements() in class ArrayHelper with unique elements	[1, 2, 3, 4, 5]	5		
2.2	Method countUniqueElements() in class ArrayHelper with duplicates	[1, 2, 2, 3, 4, 4, 5]	5		
2.3	Method countUniqueElements() in class ArrayHelper with empty array	0	0		
3.1	Method encryptText() in class CryptoHelper with valid input and key	"hello", 3	"khoor"		
3.2	Method encryptText() in class CryptoHelper with empty text	"", 3	1111		
3.3	Method encryptText() in class CryptoHelper with negative key	"abc", -1	"zab"		

3. Unit Test Results					
ID	Test Cases	Pass/Fail	Actual Output	Tested By	Date Tested
1.1	Method isEmailValid() pada class Validator dengan data valid	Pass	True	Rakha Maulana	13/11/2024
1.2	Method isEmailValid() pada class Validator dengan data invalid	Pass	False	Rakha Maulana	13/11/2024
1.3	Method isEmailValid() pada class Validator dengan data kosong	Pass	False	Rakha Maulana	13/11/2024
2.1	Method countUniqueElements() pada class ArrayHelper dengan data unik	Pass	5	Rakha Maulana	13/11/2024

Project S Service C Project N	Dwner: Manager:				
Documer 2.2	Method countUniqueElements() pada class ArrayHelper dengan data duplikat	Pass	5	Rakha Maulana	13/11/2024
2.3	Method countUniqueElements() pada class ArrayHelper dengan data kosong	Pass	0	Rakha Maulana	13/11/2024
3.1	Method encryptText() pada class CryptoHelper dengan input valid	Pass	"khoor"	Rakha Maulana	13/11/2024
3.2	Method encryptText() pada class CryptoHelper dengan teks kosong	Pass	""	Rakha Maulana	13/11/2024
3.3	Method encryptText() pada class CryptoHelper dengan kunci negatif	Pass	"zab"	Rakha Maulana	13/11/2024

4. Addendums & Appendices

Include any additional documents.

Unit Test Plan Template

Project Name:

Application under test link

https://github.com/RakhaMaulana/phpunittest-KPL-