Use Case Description	
System: Educational encryption system	
Use Case name: Encrypt Message.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the user encrypt the message.	
Relationships ▪**Includes:** ▪**Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
1. User enters the message. 3. User chooses the type of encryption.	2. System displays types of encryption. 4. System displays the encrypted message.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Encrypt by using Mono Substitution.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system encrypt message by using Mono Substitution algorithm.	
Relationships **▪Includes:** **▪Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	1. System encrypts the message by using Mono Substitution algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Encrypt by using Playfair.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system encrypt message by using Playfair algorithm.	
Relationships **▪Includes:** **▪Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	1. System encrypts the message by using Playfair algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Encrypt by using Vigenere.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system encrypt message by using Vigenere algorithm.	
Relationships ▪**Includes:** ▪**Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	1. System encrypts the message by using Vigenere algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Encrypt by using Keyed Transposition.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system encrypt message by using Keyed Transposition algorithm.	
Relationships **▪Includes:** **▪Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	1. System encrypts the message by using Keyed Transposition algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Encrypt by using DES.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system encrypt message by using DES algorithm.	
Relationships ▪**Includes:** ▪**Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	1. System encrypts the message by using DES algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Decrypt Message.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the user decrypt the message.	
Relationships ▪**Includes:** ▪**Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
3. User enters the message. 5. User chooses the type of decryption.	4. System displays types of decryption. 6. System displays the decrypted message.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Decrypt by using Mono Substitution.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system decrypt message by using Mono Substitution algorithm.	
Relationships **▪Includes:** **▪Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	2. System decrypts the message by using Mono Substitution algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Decrypt by using Playfair.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system decrypt message by using Playfair algorithm.	
Relationships ▪**Includes:** ▪**Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	2. System decrypts the message by using Playfair algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Decrypt by using vigenere	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system decrypt message by using Vigenere algorithm.	
Relationships ▪**Includes:** ▪**Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	2. System decrypts the message by using Vigenere algorithm.
Alternative and exceptional flows:	
Post-conditions:	

Use Case Description	
System: Educational encryption system	
Use Case name: Decrypt by using Frequency Analysis.	
Primary actor: User	**Other actors:**
Stakeholders:	
Description: This use case describes the scenario where the system decrypt message by using Frequency Analysis algorithm.	
Relationships **▪Includes:** **▪Extends:**	
Input: Message	
Pre-conditions:	
Steps:	.
Actor	**System**
	1. System decrypts the message by using Frequency Analysis algorithm.
Alternative and exceptional flows:	
Post-conditions:	