



Strategy pattern is used for the cryptography machine. Users can select three different strategies to encrypt or decrypt text: copy, caesar cipher and rail fence cipher. By strategy pattern, an interface Cipher is created with encrypt and decrypt methods. The concrete classes Copy, Caesar and RailFence implements the Cipher interface so that each gives a specific encrypt/decrypt algorithm.

CipherPanel is the context class that select a cipher strategy and calls encrypt/decrypt methods based on the selected strategy. Because CipherPanel is also a GUI, all the cipher methods are listed in the choice menu. Cipher strategy is chosen according to the selected index of the choice menu. encrypt/decrypt methods are called upon one of the strategies when the user click encrypt/decrypt button.