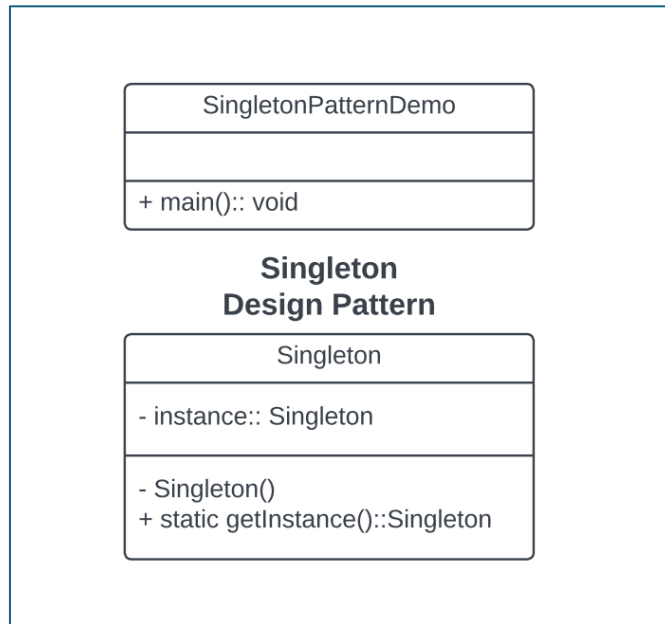
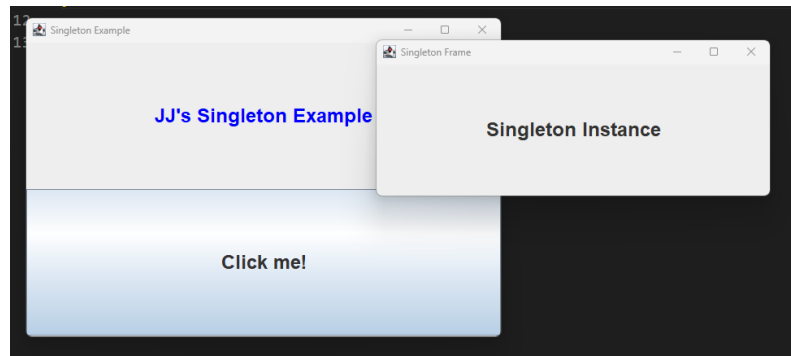


# SINGLETON DESIGN PATTERN

## UML DIAGRAM

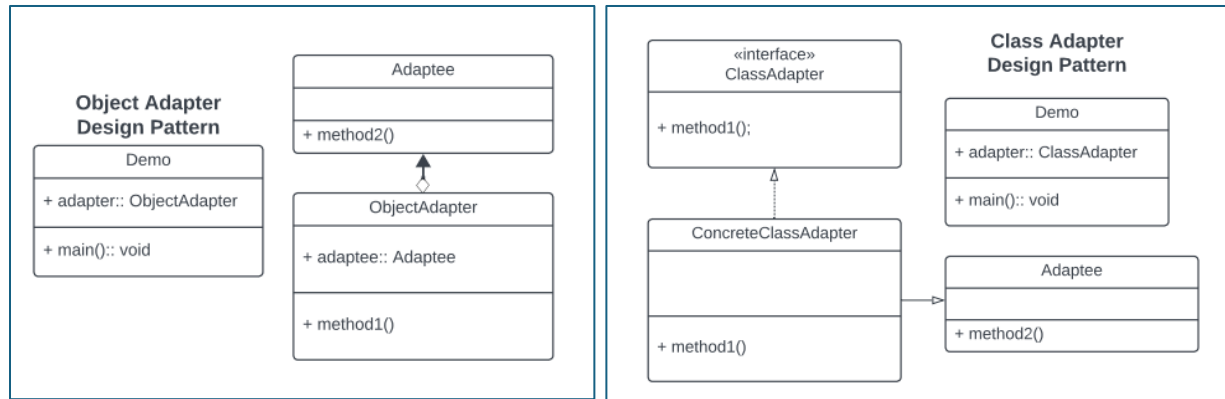


## DEMO SCREENSHOTS



# ADAPTER PATTERN

## UML DIAGRAMS



## DEMO SCREENSHOT

This program will firstly test the line object, then the adapted Circle object

```

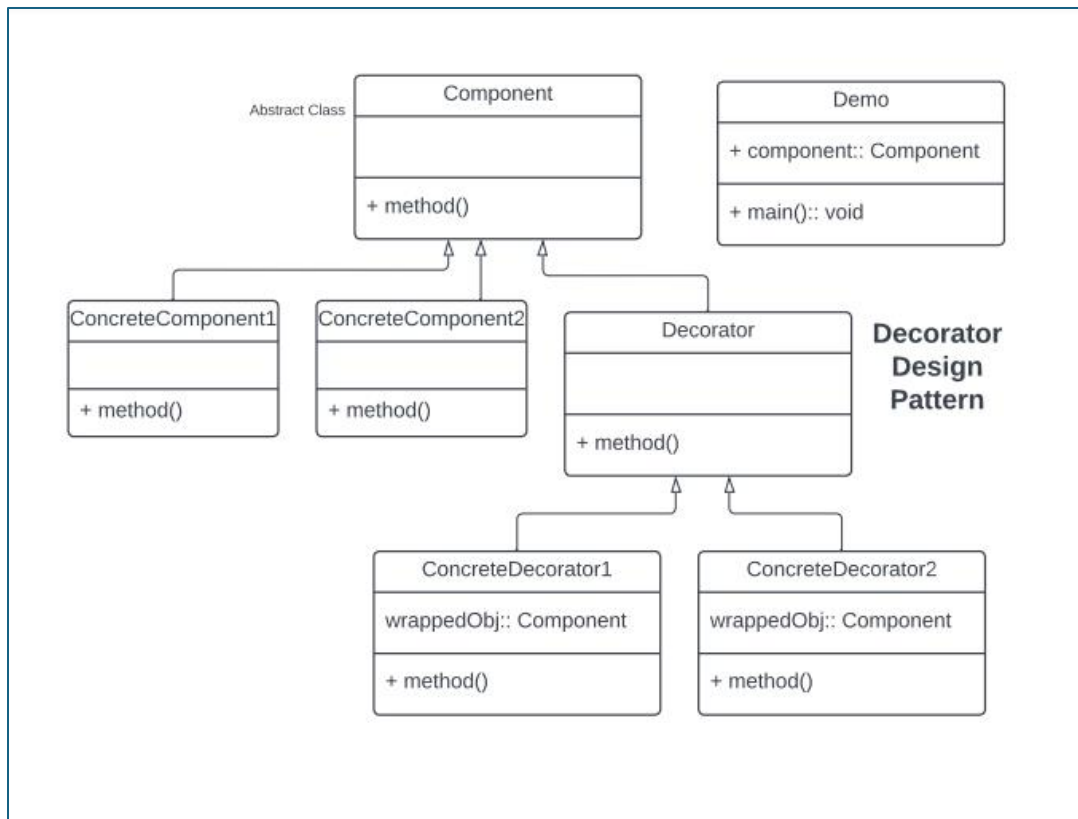
-----Line-----
Displaying Line
Filling Line
Undisplaying Line

-----Circle-----
Drawing Circle from Adaptee
Filling Circle from Adptee
Undrawing Circle from adptee

```

# DECORATOR PATTERN

## UML DIAGRAM



## DEMO SCREENSHOT

```
---JJ's Coffee Shop---
```

```
Espresso
$1.99
```

```
Dark Roast, Mocha, Mocha, Whip
$1.49
```

```
House Blend, Soy, Mocha, Whip
$1.34
```

```
Decaf, Mocha, Mocha, Milk, Milk, Soy, Soy, Whip, Whip
$2.09
```