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GeometricObject

-color: str = "green"

-filled: bool = True

__init__(color: str, filled: bool)

getColor(): str

setColor(color: str)

isFilled(): bool

setFilled(filled: bool)

__str__(): str

Circle

-radius: float

__init__(radius: float)

getRadius(): float

setRadius(radius: float)

getArea(): float

getDiameter(): float

getPerimeter(): float

printCircle(): str

Rectangle

-width: int = 1

-height: int = 1

__init__(width: int, height: int)

getWidth(): int

setWidth(width: int)

getHeight(): int

setHeight(height: int)

getArea(): int

getPerimeter(): int

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```
┌──────────────┐      1   ┌──────────────┐
│    Client    │─────────▶│ EventManager │
└──────────────┘          └──────────────┘
```

1 Hotellier

1 Florist

1 Caterer

1 Musician

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Client

eventManager: EventManager

hotelier: Hotelier

florist: Florist

caterer: Caterer

musician: Musician

arrange()

bookHotel()

setFlowerRequirements()

setCuisine()

Hotel is booked

setMusicType()

Carnations, Roses and Lilies are to be used

Chinese & Continental Cuisine will be served

Jazz and Classicial will be played