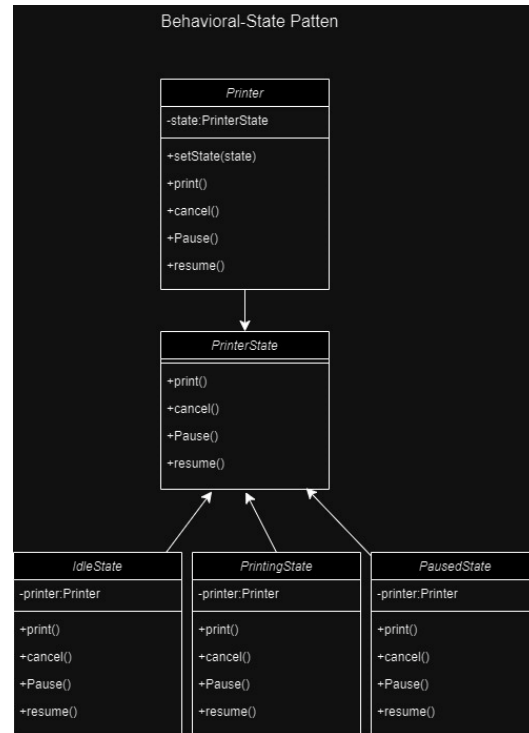


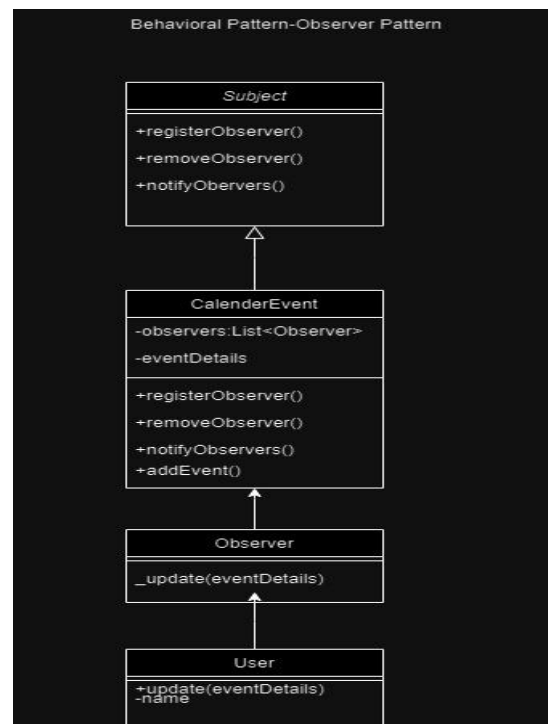
## EX-1-Use Cases:

### 1. Behavioral design Pattern:

#### a) State Pattern-Printer State Maintenance



#### b)Observer Pattern-CalenderEvent Management

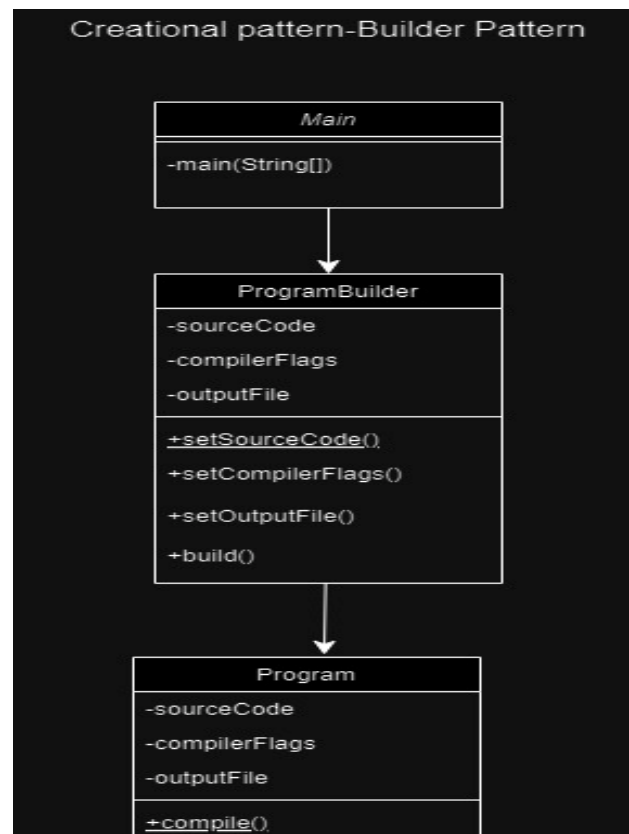


2. Creational design Pattern:

a) Singleton Pattern-PrinterSpool Job printing

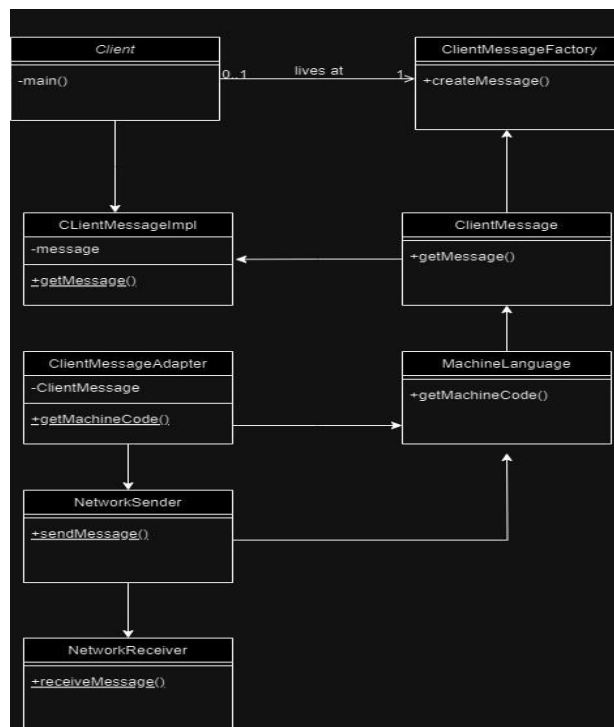


b) Builder pattern-Program Compiling and Building

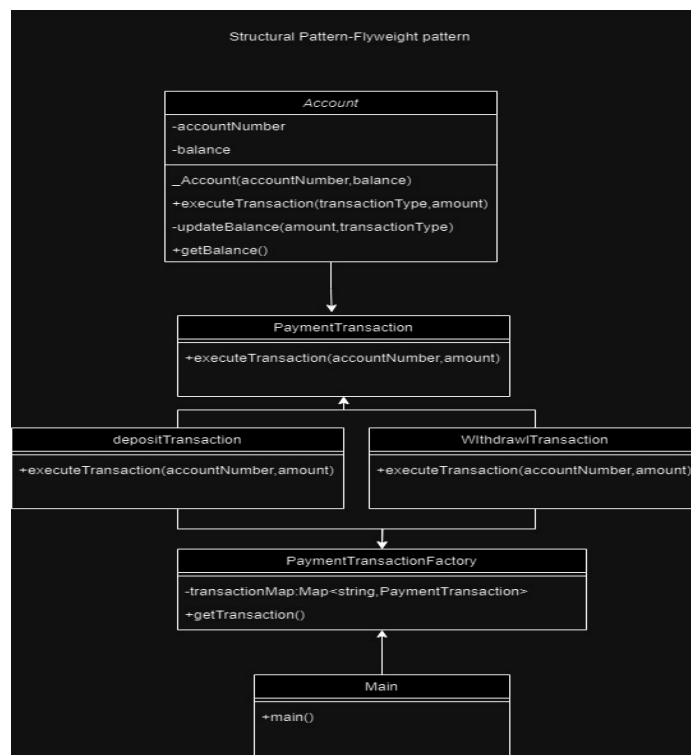


### 3. Structural Pattern:

#### a) Adapter pattern-Message Transmission Over a network



#### b) Flyweight pattern-Transaction Management



[PS:The diagrams are drawn using Online draw.io UML tool]

