AbstractClass

Machine

Fields
Protected String machineType;
Boolean online;
Boolean error;
Job currentJob;

Machine();

Methods:
+ goOnline();
+ goOffline();
+ resetMachine();
+ acceptJob();
+ *processItsCurrentJob();*
+ getters method for each fields

machineType = null;
Boolean online = true;
Boolean error = false;
currentJob = null;

Super Class (Abstract) make sure to call constructor in child classes

AbstractClass

Manager

Fields
array[5] machines;
arrayList<Job> pendingJobs;

Constructor
array[5] machines = new array[5]();
arrayList<Job> pendingJobs = new ArrayList<Job>();

Methods:
+ addJob();
+ assignJob();
+ processJob();
+ getters and setters?

Controller Class performs assignJob and processJob tasks

Listener

Fields
private String listener;

Constructor (String listener);
super();
this.listener = listener;

Methods:
+ getListener();
+ setListener();
+ getStatus();

Printer

Fields

Constructor
super();
machineType = "PRT";

Methods:
+ *processItsCurrentJob()*

Copier

Fields

Constructor
super();
machineType = "CPY";

Methods:
+ *processItsCurrentJob()*

Job

Fields
final String description;
final String jobCode;
final int owner;

Constructor (jobCode: String; owner: int, description: String)

Methods:
+ get methods;

Characteristics of a job:
- Alphanumeric code
- Owner (1 == seniors)
- Description of the job

Scanner

Fields

Constructor
super();
machineType = "SCN";

Methods:
+ *processItsCurrentJob()*

CoffeeMachine

Fields

Constructor
super();
machineType = "CFE";

Methods:
+ *processItsCurrentJob()*

VendingMachine

Fields

Constructor
super();
machineType = "VND";

Methods:
+ *processItsCurrentJob()*