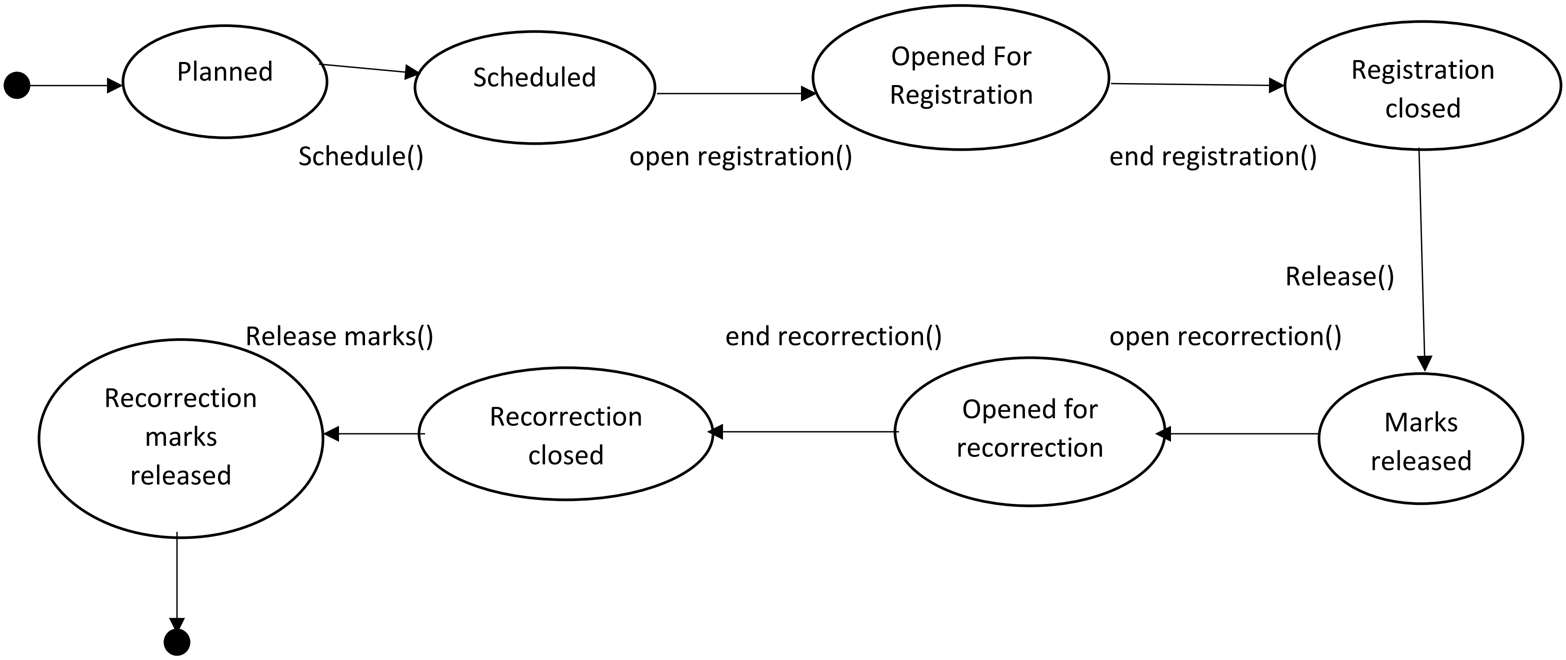

```
class Exam {
  State current;
  Exam(){current=new Planned();}
              public void setState(State s){
              current=s;
               }
  public void schedule(){current.changeState(this);}
  public void openRegistration(){current.changeState(this);}
  public void endRegistration(){current.changeState(this); }
  public void release(){current.changeState(this); }
 public void openRecorrection(){current.changeState(this);  }
  public void endRecorrection(){  current.changeState(this);  }
  public void releaseMarks(){ current.changeState(this);  }
  }

abstract class State {
              public abstract changeState(Exam exam);
} class Planned extends State {
    public void changeState(Exam exam){
        exam.setState(new Scheduled());
        System.out.println("Scheduled");
    }
}
class Scheduled extends State {
    public void changeState(Exam exam){
        exam.setState(new OpenedForRegistration());
        System.out.println("opened for registration");
    }
}
```

```
public class OpenedForRegistration extends State {
  public void changeState(Exam exam){
    exam.setState(new RegistrationClosed());
    System.out.println("Registrations are closed");
  }
}
public class RegistrationClosed extends State{
  public void changeState(Exam exam){
    exam.setState(new MarksReleased());
    System.out.println("Exam marks released");
  }
}
public class MarksReleased extends State {
  public void changeState(Exam exam){
    exam.setState(new OpenedForRecorrection());
    System.out.println("Opened for recorrection");
  }
}
public class OpenedForRecorrection extends State {
  public void changeState(Exam exam){
    exam.setState(new RecorrectionClosed());
    System.out.println("Recorrections period finished");
  }
}
public class RecorrectionClosed extends State {
  public void changeState(Exam exam){
    exam.setState(new RecorrectionMarksReleased());
    System.out.println("Recorrection marks are released");
  }
}
public class RecorrectionMarksReleased extends State {
}


public class Demo {
  public static void main(String args[])throws IOException{
    Exam exam=new Exam();
   exam.schedule();
   exam.openRegistration();
   exam.endRegistration();
   exam.release();
   exam.openRecorrection();
   exam.endRecorrection();
   exam.releaseMarks();
  }
}
```