Decision Tree
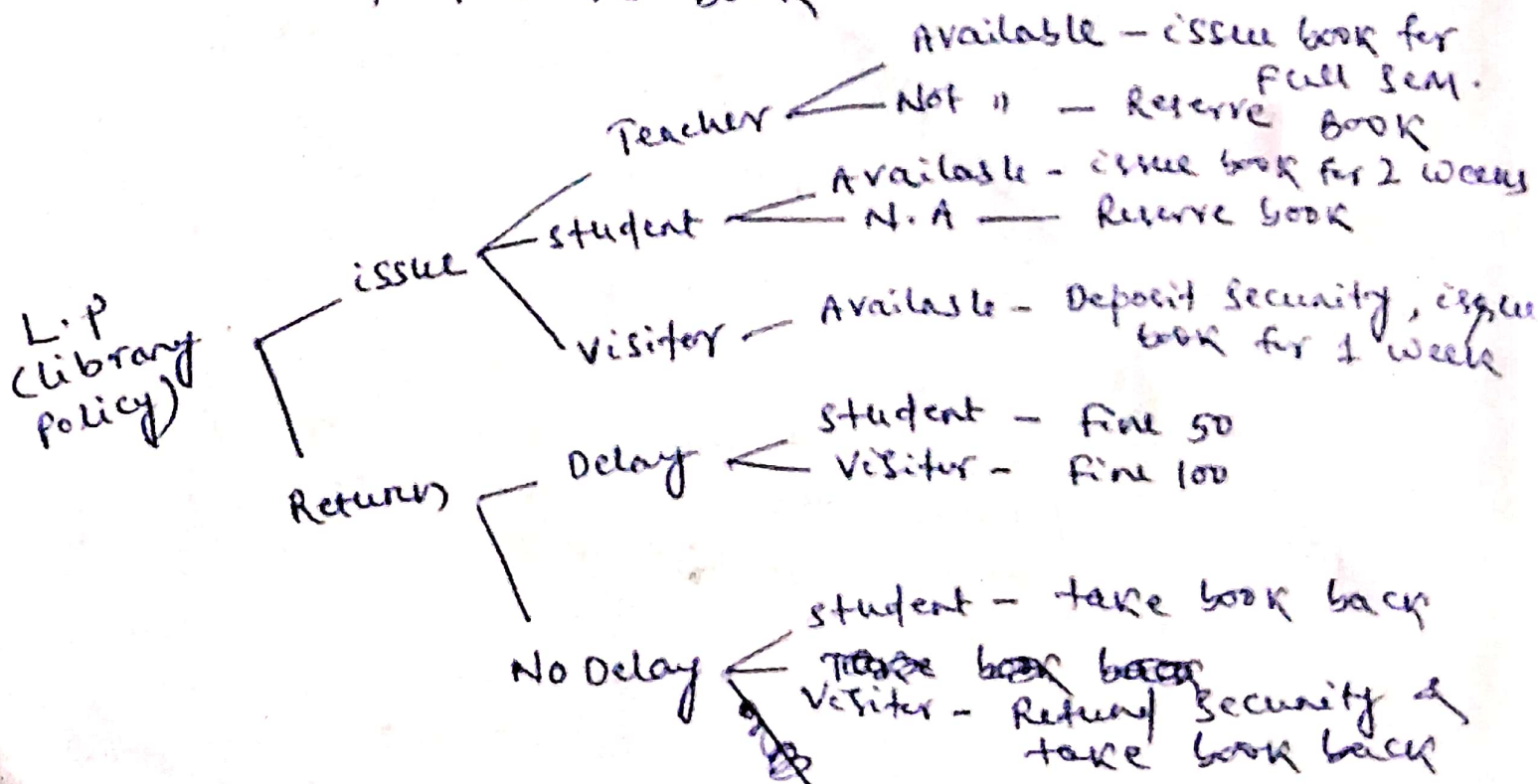
*) It is a Pictorial Representation of decision points and corresponding Actions based on some business Rules.

e.g.   Library System.

Library policies :

1. Student can get a book for **2** weeks.
2. Teacher   "   "   "   " Full Semester
3. Visiter   "   "   "   " 1 week, after paying Security deposit.
4. If there is a delay, Student pay Fines of Rs 50
5. "   "   "   , visiter pay fines of Rs 100 (deducted From Security debit).
6. For teacher No fine
7. If book is not available, teacher, a or student can Reserve book

L.P
(Library
policy)
— issue
     — Teacher — Available — issue book for Full Sem.
                  Not " — Reserve Book
     — student — Available — issue book For 2 weeks
                  N.A — Reserve book
     — visiter — Available — Deposit Security, issue book for 1 week
— Returns
     — Delay — student — Fine 50
               Visiter — fine 100
     — No Delay — student — take book back
                  Visiter — Return Security & take book back

*) We can also draw like this.
There is no hand & fast Rule.

L.P.
- Teacher
  - Issue
    - Available — full semester
    - N.A. — Reserve
  - Returns
- Student
  - Issue
    - A. — 2 weeks
    - NA — Reserve
  - Return
    - Delay — Fine Rs 50, get book back
    - ND — Get book back
- Visiter
  - Issue
  - Returns
    - Delay — fine Rs 100 from security deposit & get book back
    - N.D — get book back & Returns security deposite.