

E-Attendance System

Manual Punch
fetch details
add the data
process the data

Analysis of Objects

- 1. Student
- 2. Employee
- 3. Attendance

Desing the Objects

- 1. Student
 - rollno
 - name
 - mobile
 - marks
- 2. Employee
 - empid
 - name
 - salary
 - address
- 3. Attendance
 - in time
 - out time
 - date

Employee
Manual Punch
fetch deatils

OOP- decide the oop language
CPP

Encapsulation

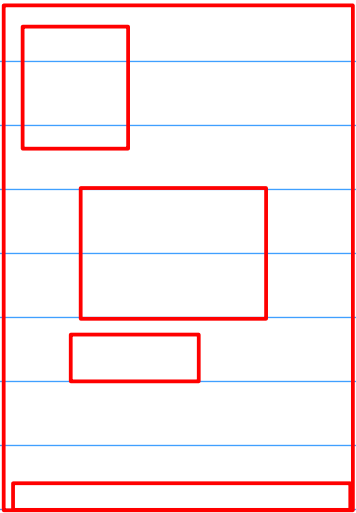
Company/ Manufacturer
xiomi - 12000

6000

processor - 500
RAM - 300
camera - 600

glass- 300
battery -

mobile



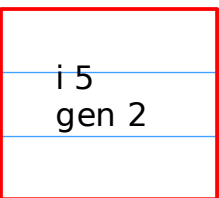
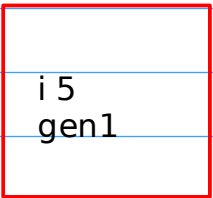
Customer

processor
RAM
storage
camera
battery

Abstraction

Modularity

Hirerachy



Mobile

Phone
Digital Camera
Calculator
Torch
Radio
Walkman
Wallet

Polymorphism/Typing

Concurrency

Persistence

E Attendance

Top Down

Bottom up

demo01.cpp

Preprocessor

Assembly

Linking

a.out

256 ->

ASCII

1
2
3
.
.
.

256

ch = 'a'

ch = 3F

Developer Defined

1
2
3.
.
.
.

40000

40
3F

356

412