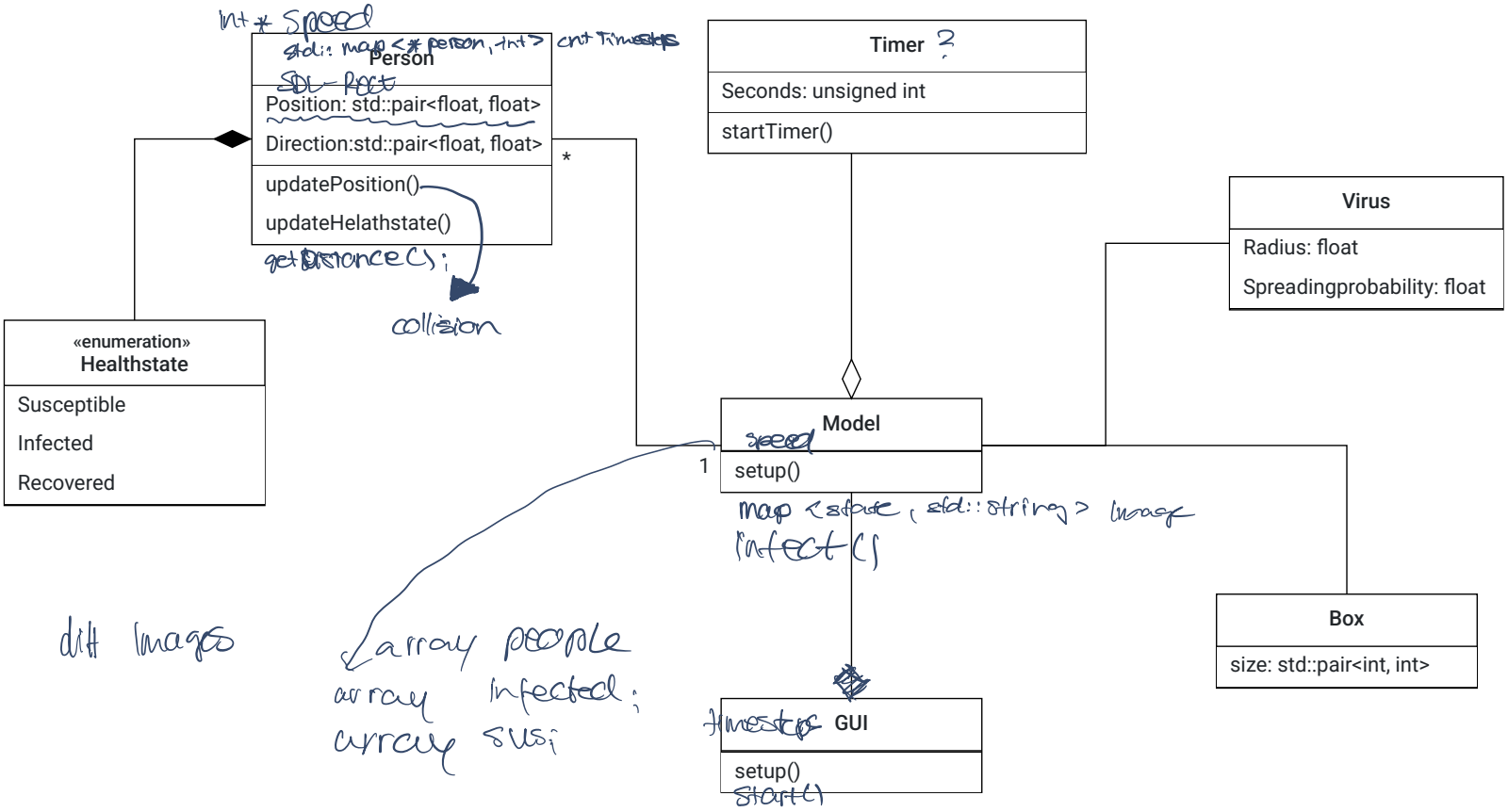
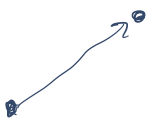

Person
Position: std::pair<float, float>
Direction:std::pair<float, float>
updatePosition()
updateHelathstate()
«enumeration»
Healthstate
Susceptible
Infected
Recovered
Timer
Seconds: unsigned int
startTimer()
Virus
Radius: float
Spreadingprobability: float
Model
setup()
Box
size: std::pair<int, int>
GUI
setup()
*
1

```
for (p: people) {
  p.updatePos
}
for (i: int) {
  for (s: sus) {
    if (v.rad > i.getDist(s)) {
      s.countTS()++;
      if s.countTS > 3) {
        s.infect()
      }
    }
  }
}
```