CAP
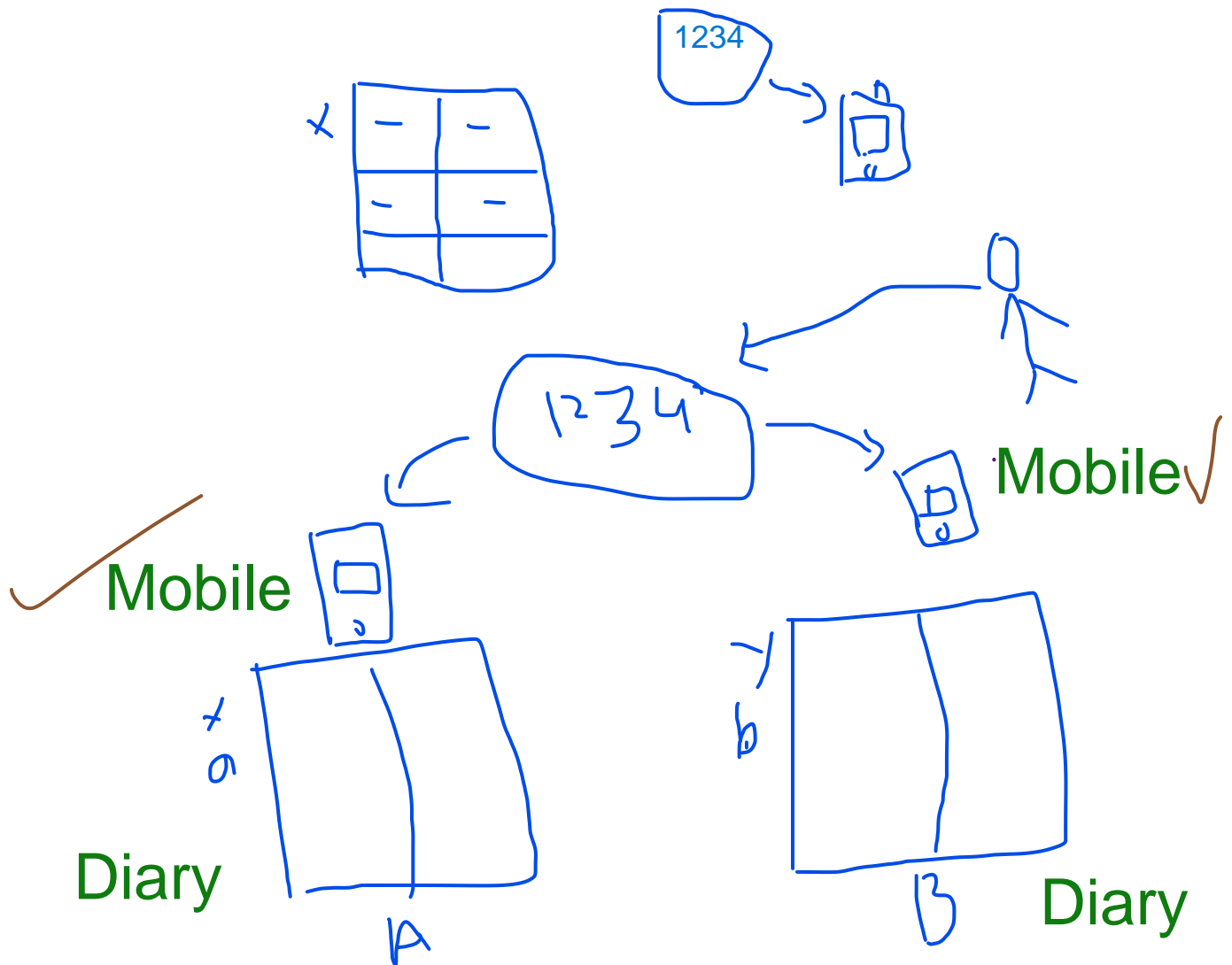
Reminder Service

1234
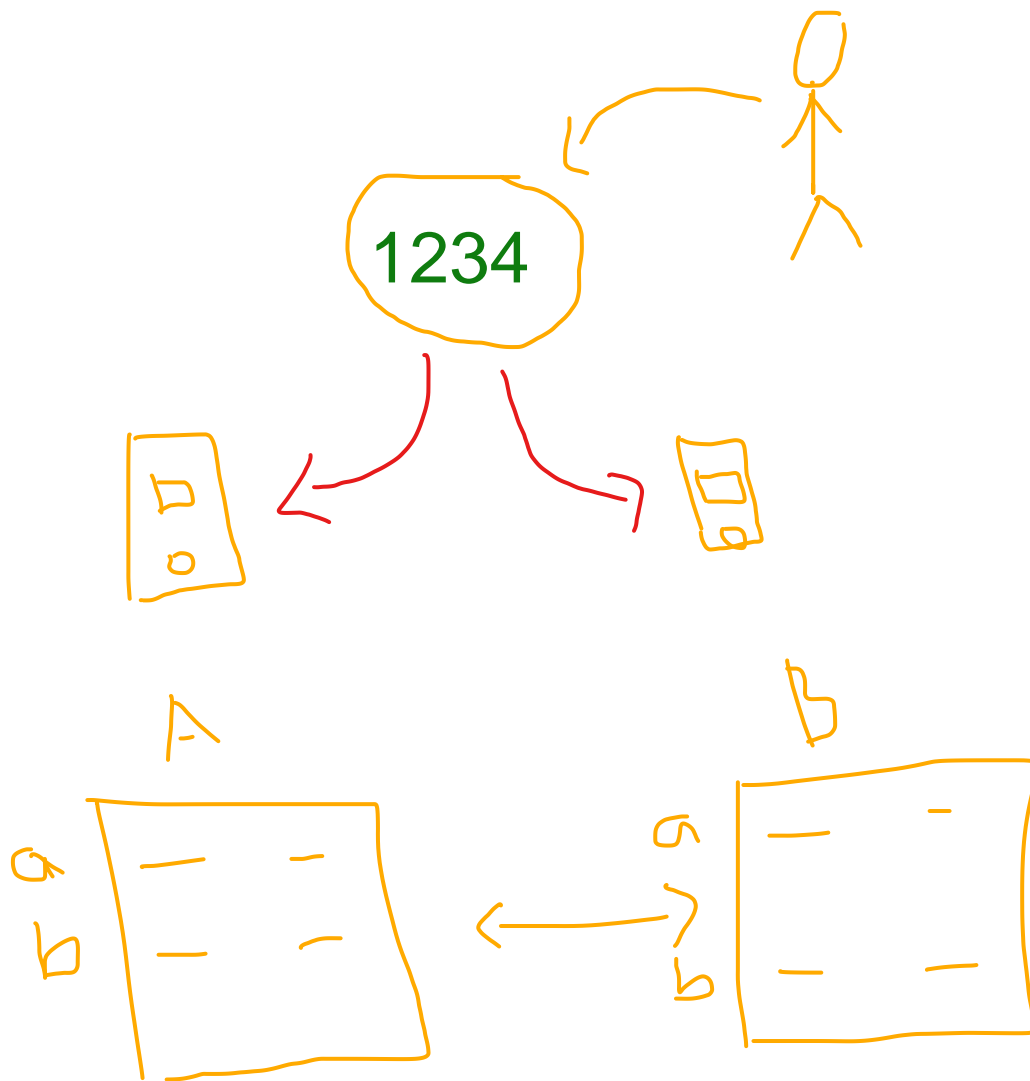
1234

Mobile ✓

Mobile

Diary

Diary

x
a

A

b

B

user x made a call on 1234 and the Emp A picked and registered the reminder while Emp B was on another call.
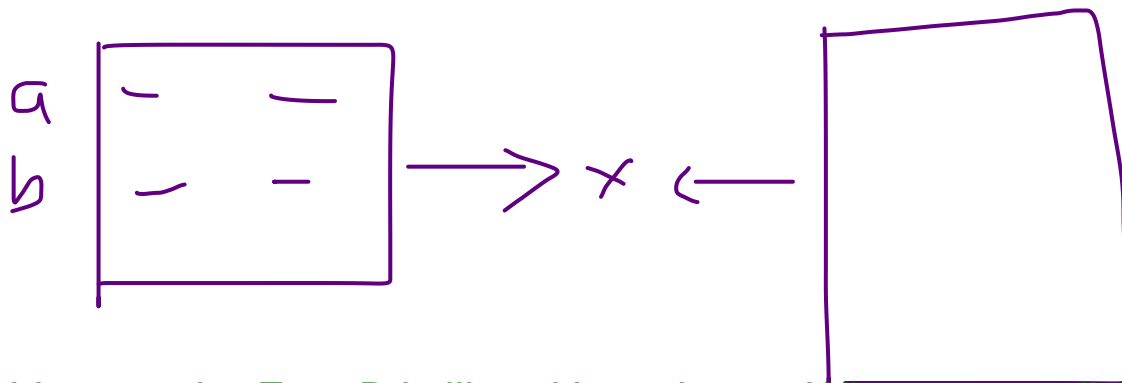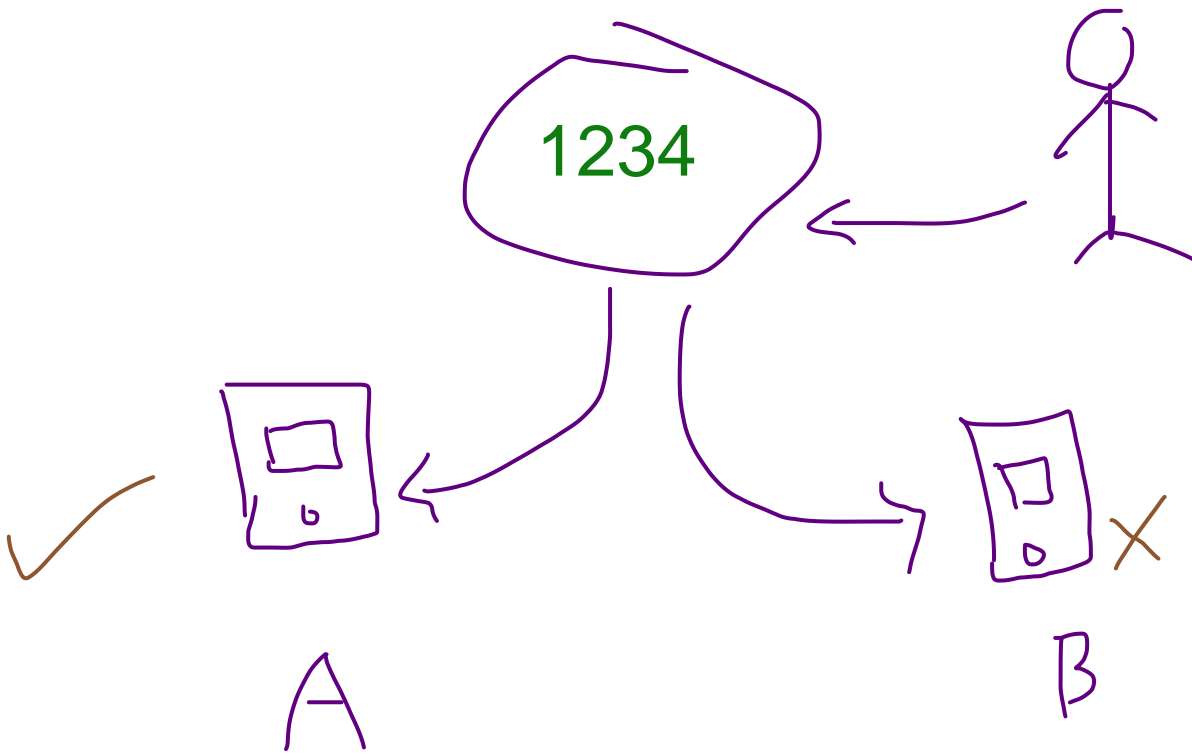
But when the user x made the call for receiving the reminder then the call was routed to the Emp B and B said that sir you haven't registered any reminder.

user felt disappointed.
Consistency Problem.

Available but Inconsistent.
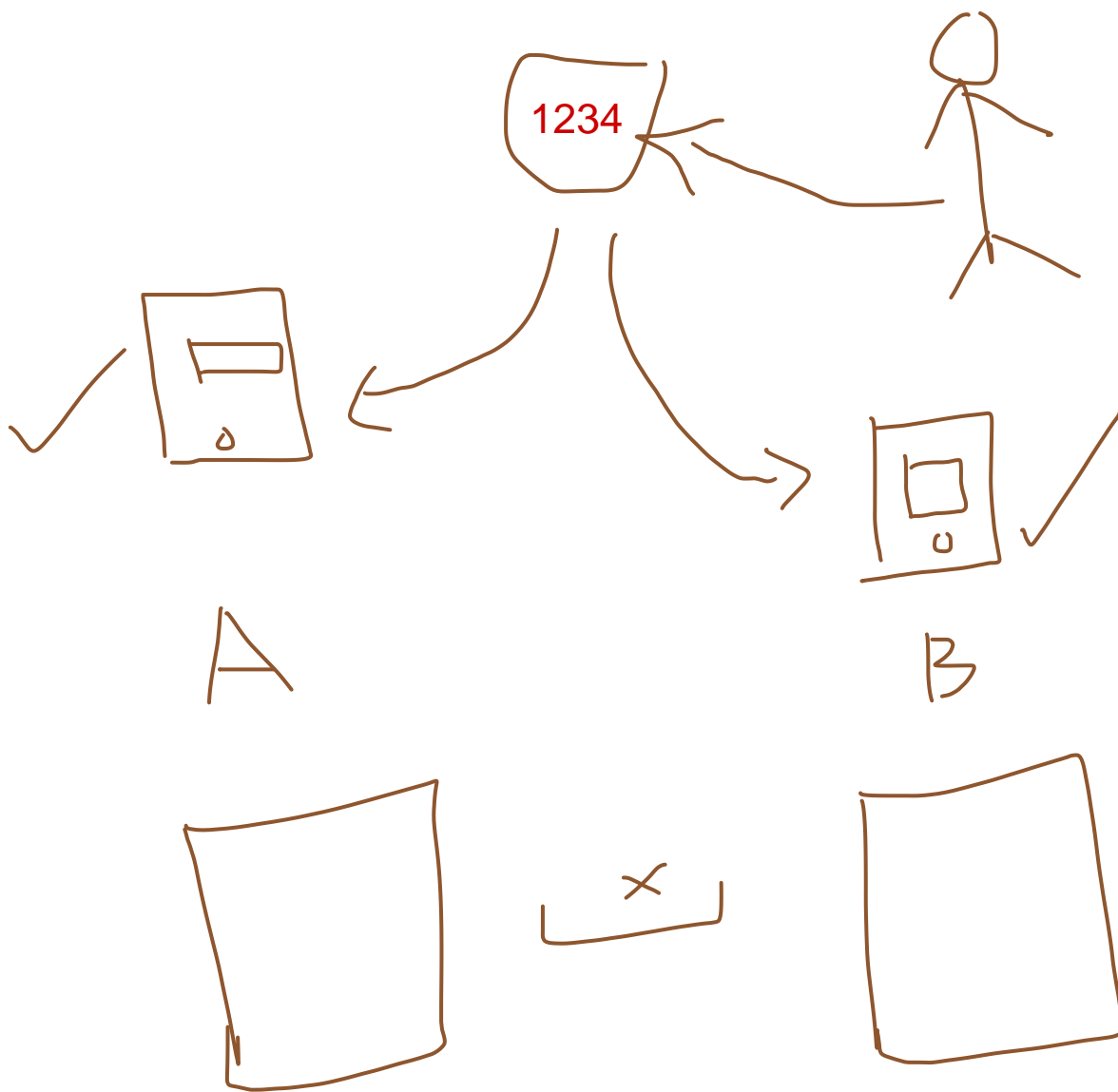
1234

Consistency Maintained.

In this case the Emp B is ill and is on leave. Whenever a client want to register a reminder then call is picked by the Emp A due to absence of the Emp B.

If A takes registration and shares with B, where B is absent. There arises the issue of availability. B is absent if A takes the registration then system becomes inconsistent.

In this case only A will take requests, when B returns then B will compile/take/response to all the remaining then current to become consistent.

Unavailable and Consistent.

1234

A

B

✓

✗

✓

Available but inconsistent.