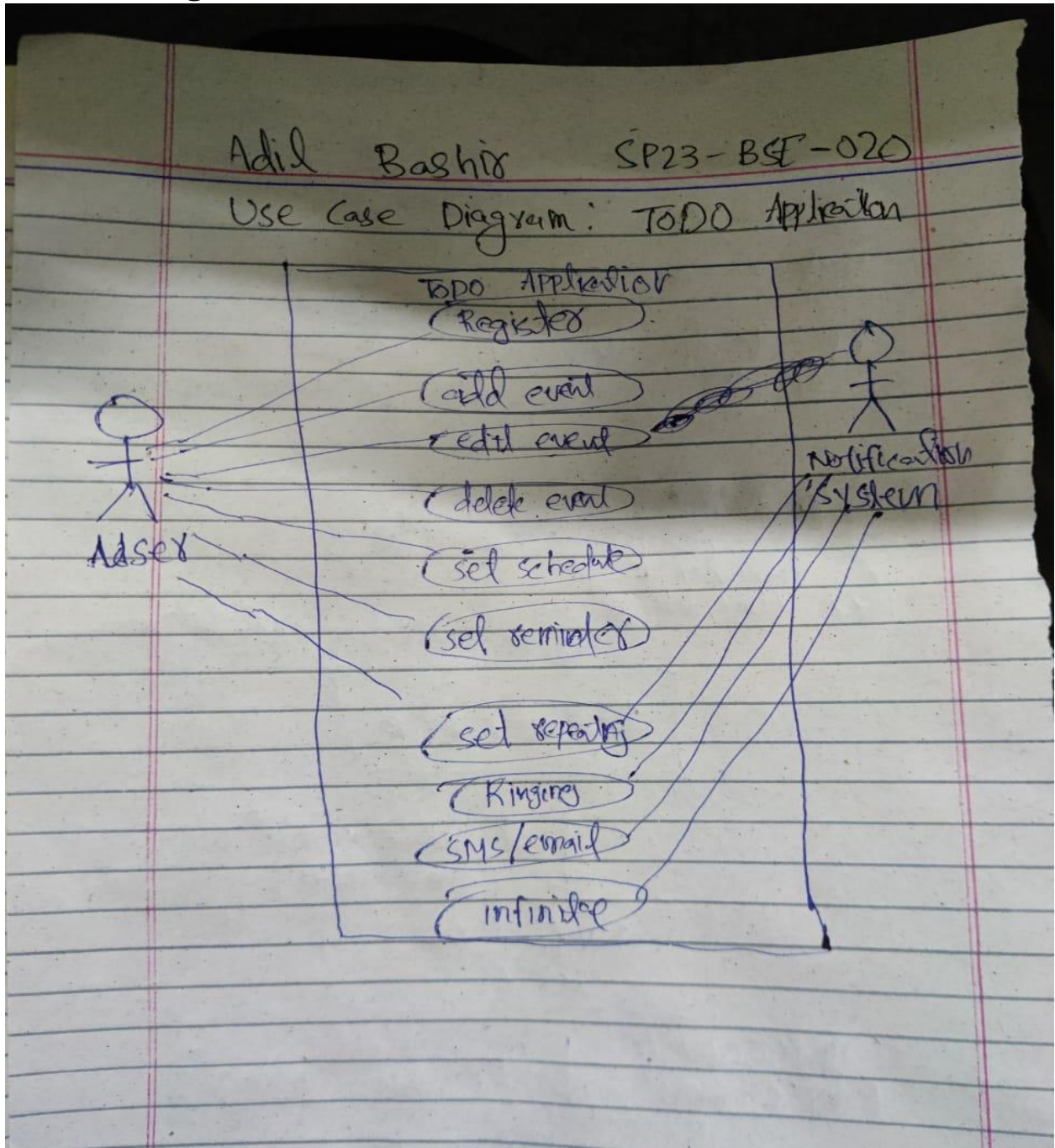


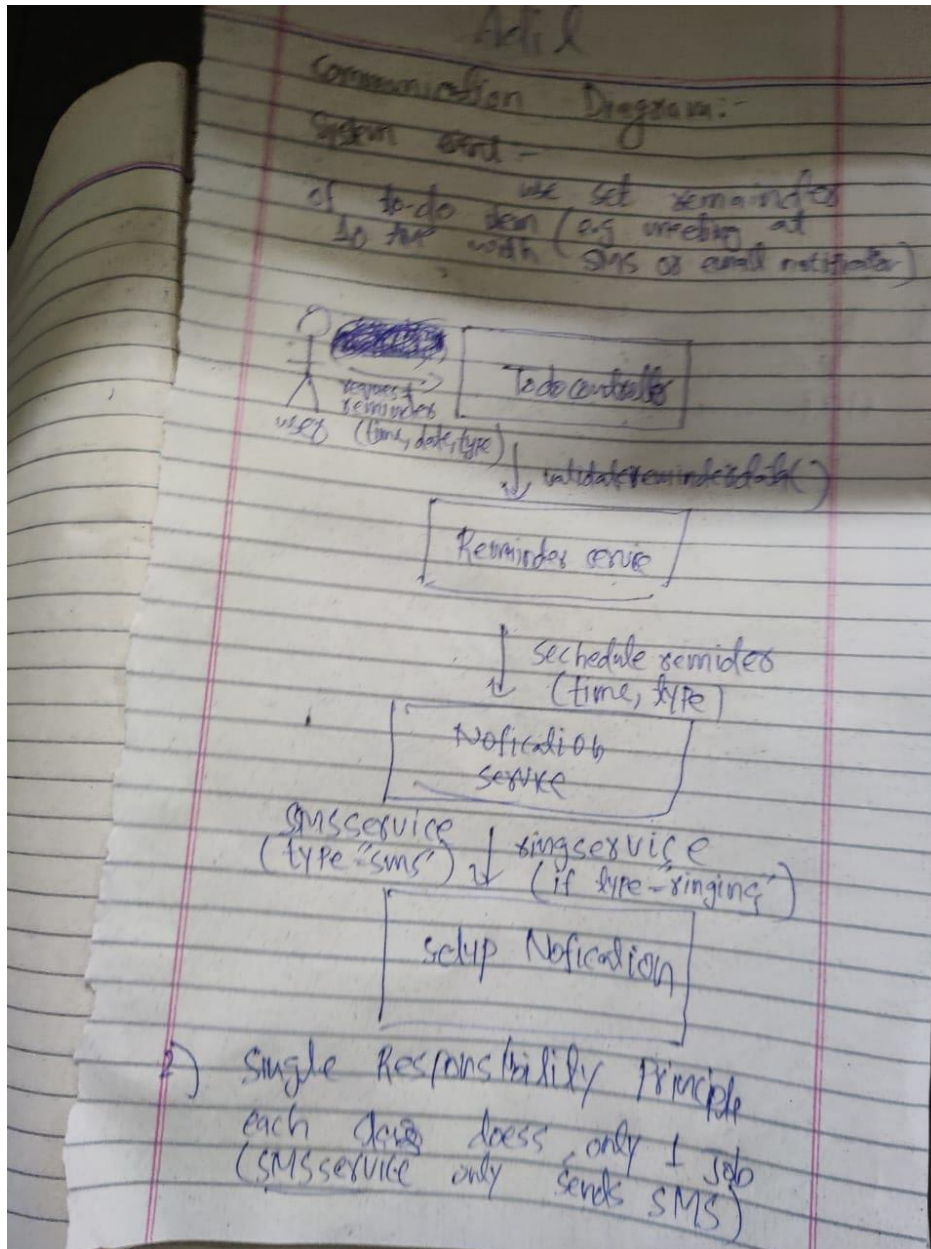
Name  
Reg No

Adil Bashir  
SP23 -BSE- 020

use case diagram:



## Communication diagram:



**Description:**

**Use case: ReminderService**

**Observer Pattern:**

Subject: ReminderService

Observers: EmailService, SMSService, RingService

Benefit: You can easily add or remove notification types without changing core logic.

**Design Principles Used:**

- **Low Coupling:** ReminderService doesn't need to know internal details of each notification method.
- **High Cohesion:** Each service does one job—sending a notification.