

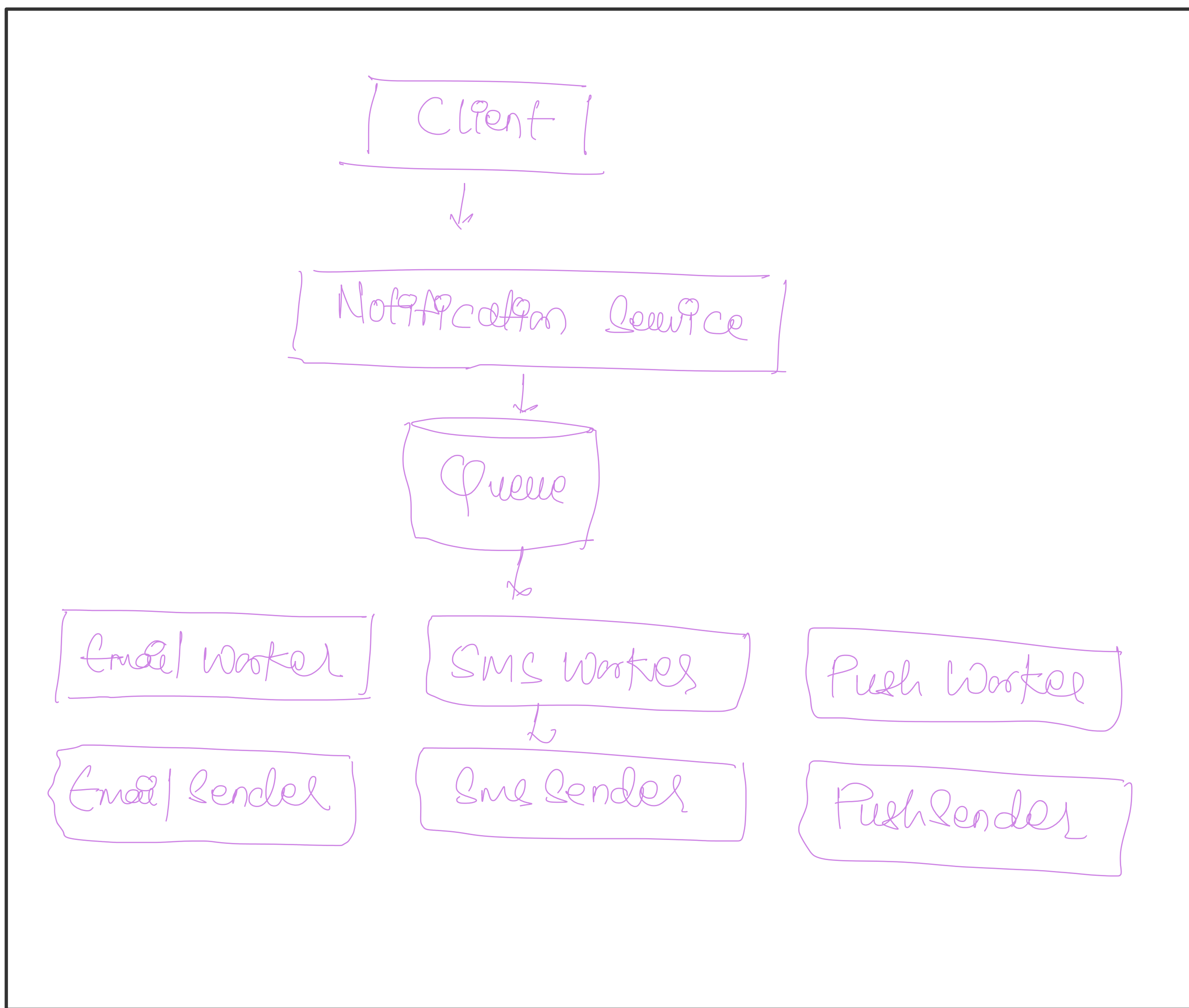
Functional Requirements :-

1. Send notifications to users
2. Support multiple channels
  - Emails
  - SMS
  - Push Notification
3. User can receive same notifications on multiple channels.
4. Notifications can be:
  - Immediate
  - Scheduled

Non-Functional Requirements.

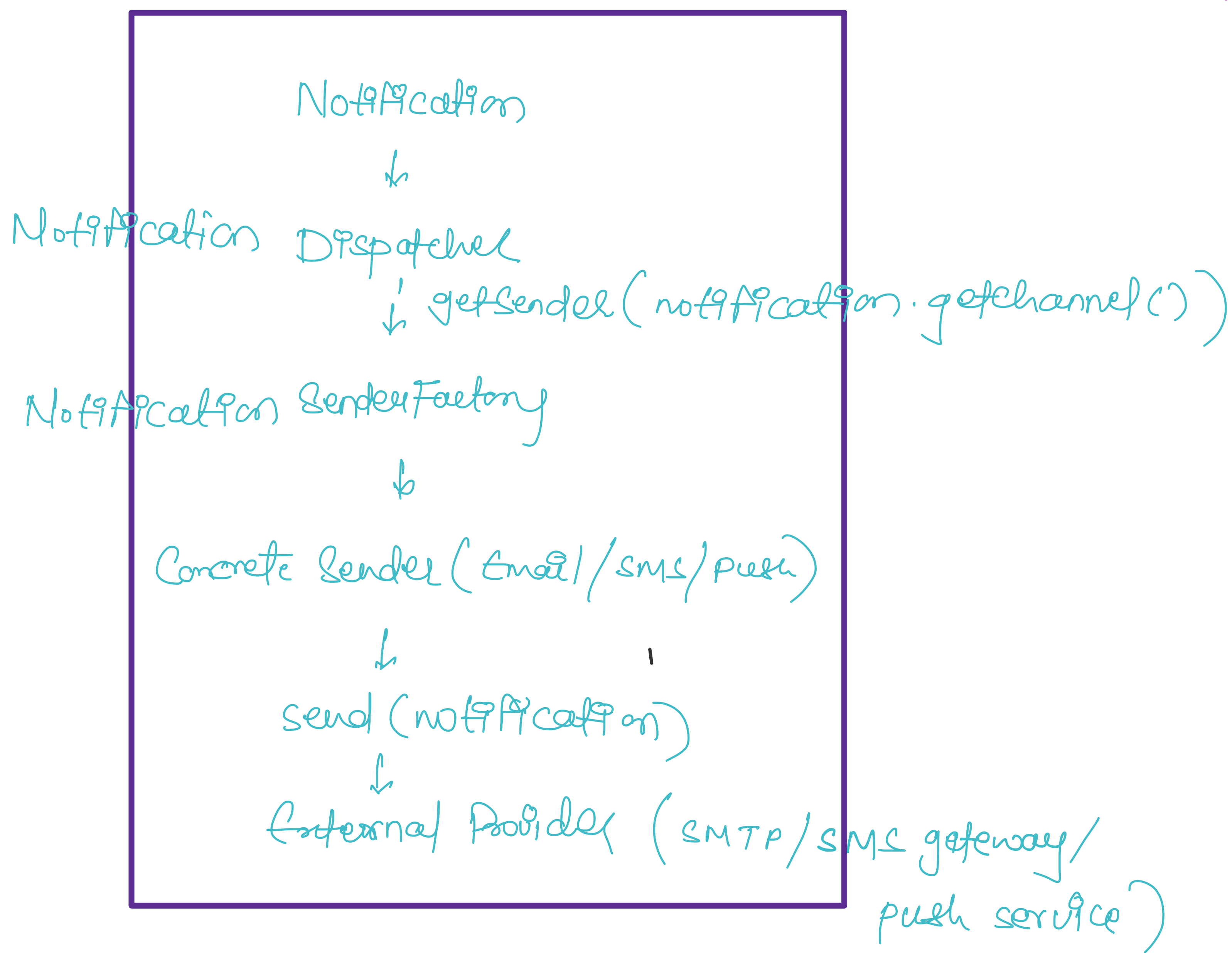
1. Scalable (millions of users)
2. Reliable (don't lose notifications)
3. Extensible (easy to add WhatsApp, Slack Later)
4. Low latency for real-time notifications.

HLD



LLD :

Runtime Execution flow (who calls whom at runtime)



Class Diagram

