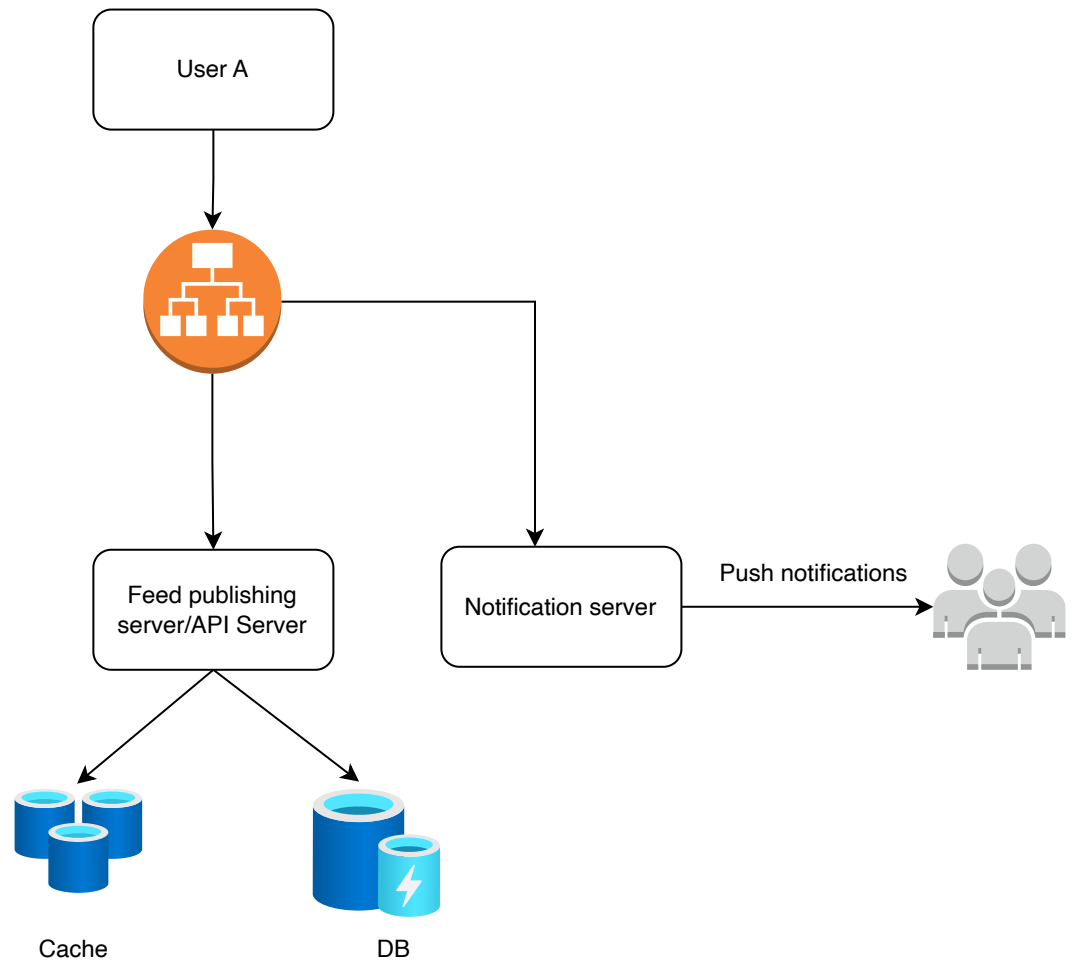# Newsfeed/Instagram feed system

Feed publishing
-POST Request
-Saves into cache
-Saves to DB

Feed retrieval
-GET Request
-Get friends/connection IDs
-

HLD-1(Feed publishing)

User A

Feed publishing
server/API Server

Notification server

Push notifications

Cache

DB

HLD-2(Newsfeed retrieval system)

User A

Web server

Authentication system

Rate limiter

User IDs(Graph DB)

Newsfeed system
-Gather post Id, userId, mapping of post to user_id, user info
-Create newsfeed(sort in reverse chronological order)

Filters:
1. Some users are muted etc

User Info

Cache

DB

⊟	Table
Post_Id	
User_Id	