Author: Diego JIN
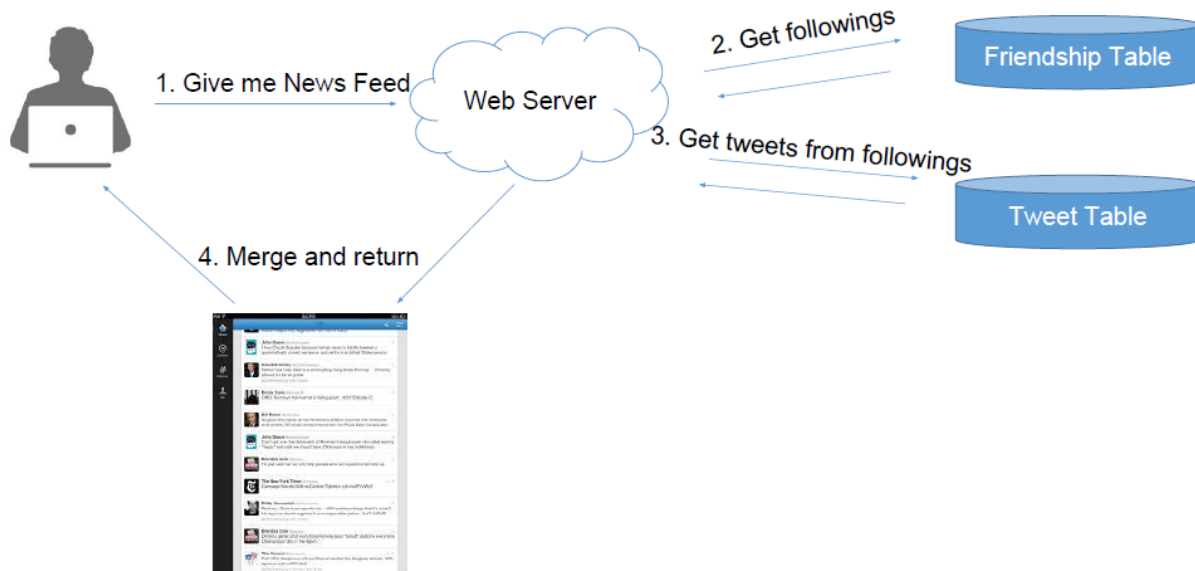
Pull vs Push

Pull mode

Steps
1) User request 100 news feed.
2) Merge and sort 100 news feed from different sources.
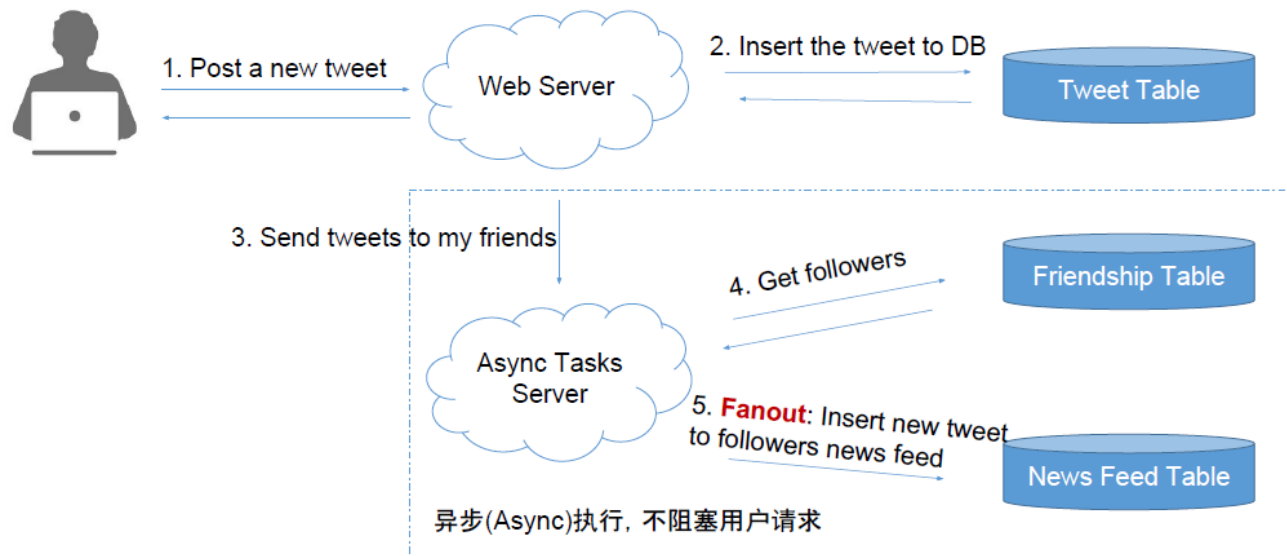3) Return results to user.

Complexity
1. **Get News feed**: N sources -> N DB read → O(N)
2. **Post a news**: 1 DB write → O (1)

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Push mode

Steps
1. For each user, create a table for his news feed.
2. When source create a news, add to follower's table.
3. User check last K news from his table.

Complexity
1. **Get News feed**: 1 DB read.
2. **Post a news:** N follower, need N DB write.

Pull vs Push Comparison

	Pull	Push
Users get messages speed	Relative slow, N DB read	Very quick, 1 DB read
Storage	Less Disk	More Disk
Super star **(Many followers)**	Good to handle	Cost more time and disk to generate news for followers.