Graduation Project

Class 2, Group 5 Final Presentation
2022.04.19

201935006 고효진
201533631 김도균
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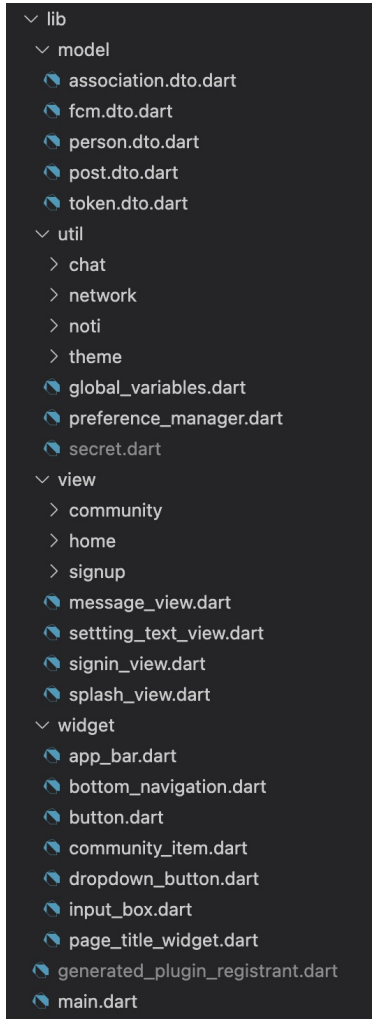
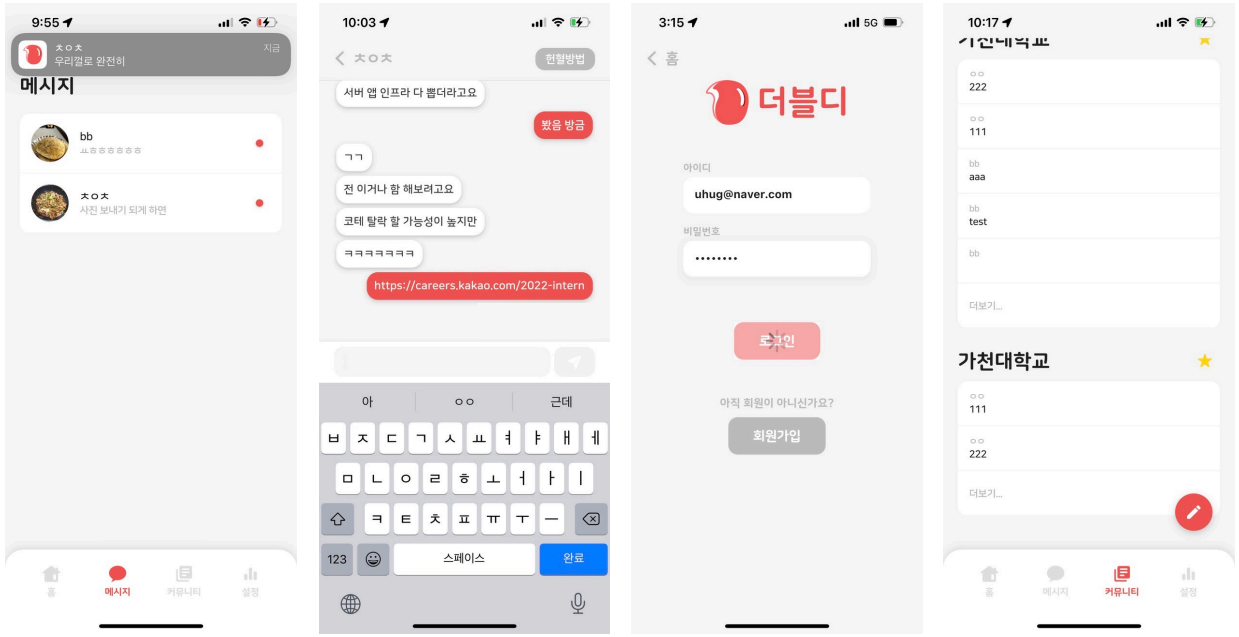
I . Project Progress

Front-end

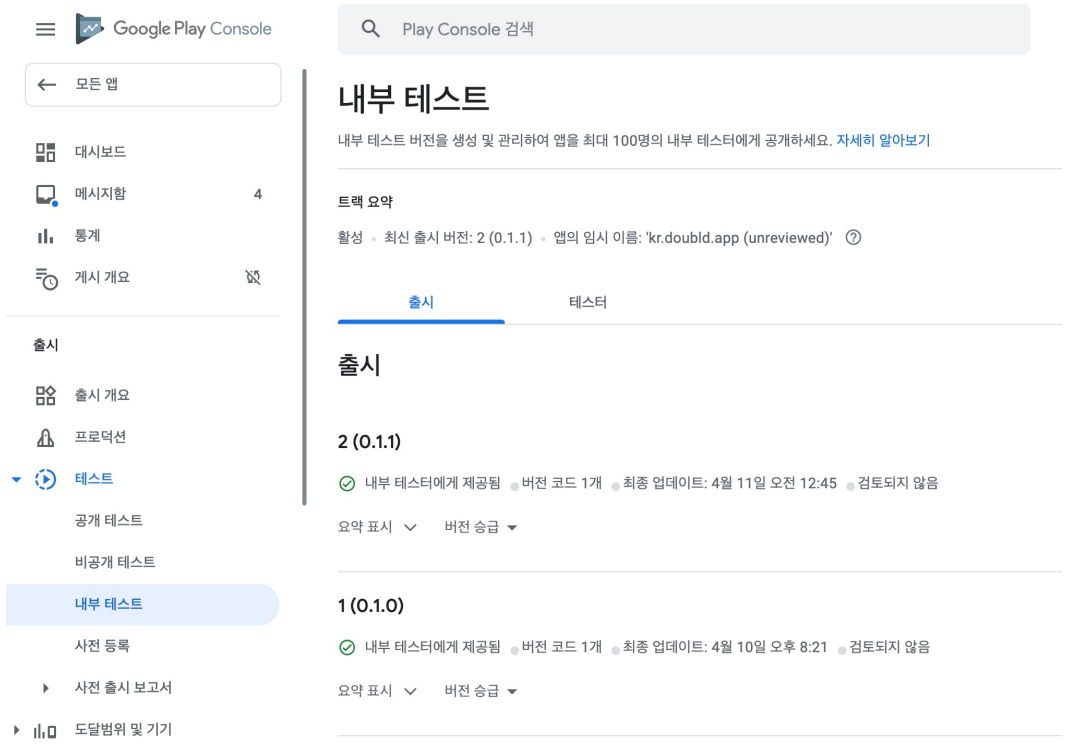


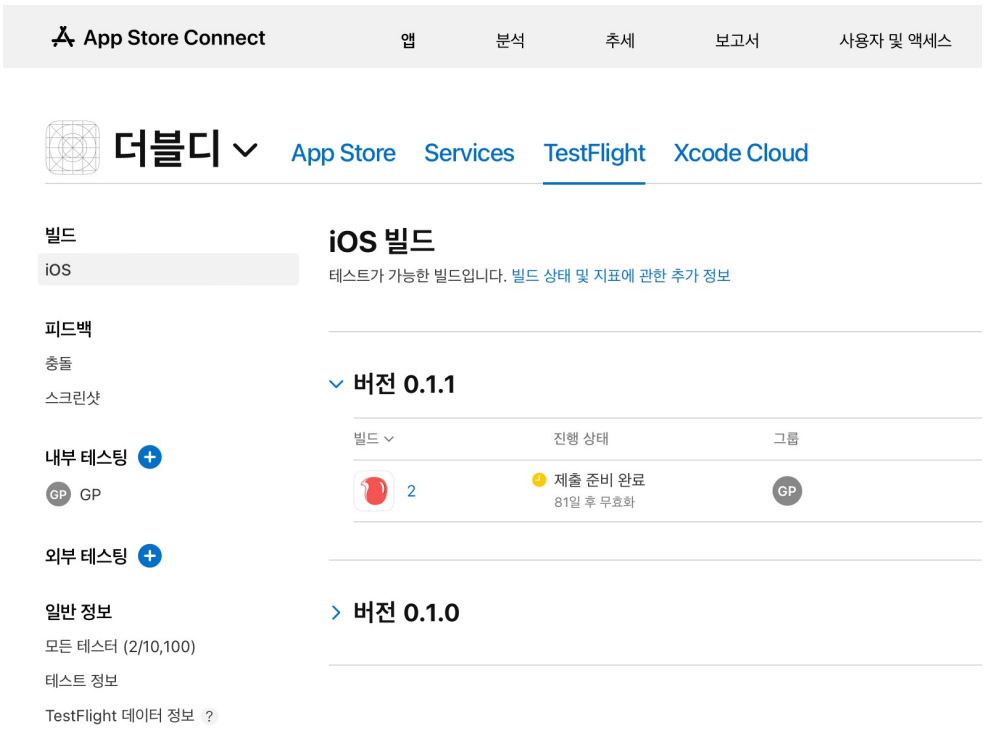


- Fix design system
- Back-end API Communication (Assign, Community)
- State management in local
- Chatting service (through Firebase FireStore and FCM)

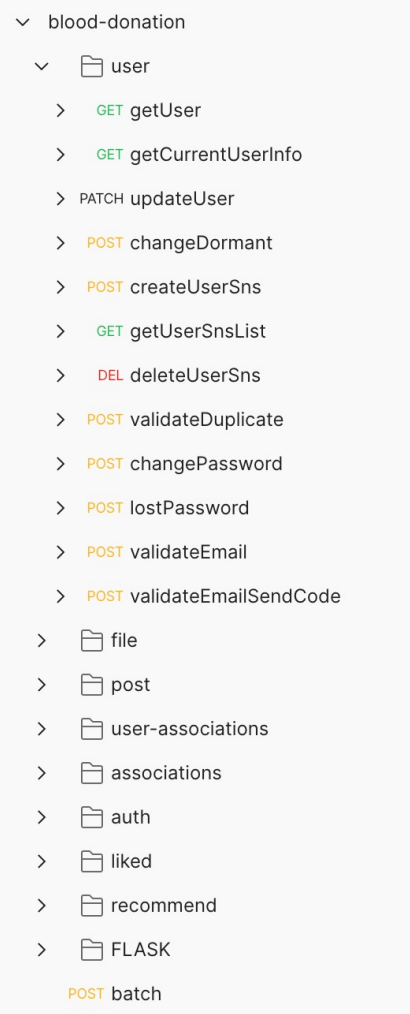
Front-end

- Internal Test Deploy
- Available on Android and iOS





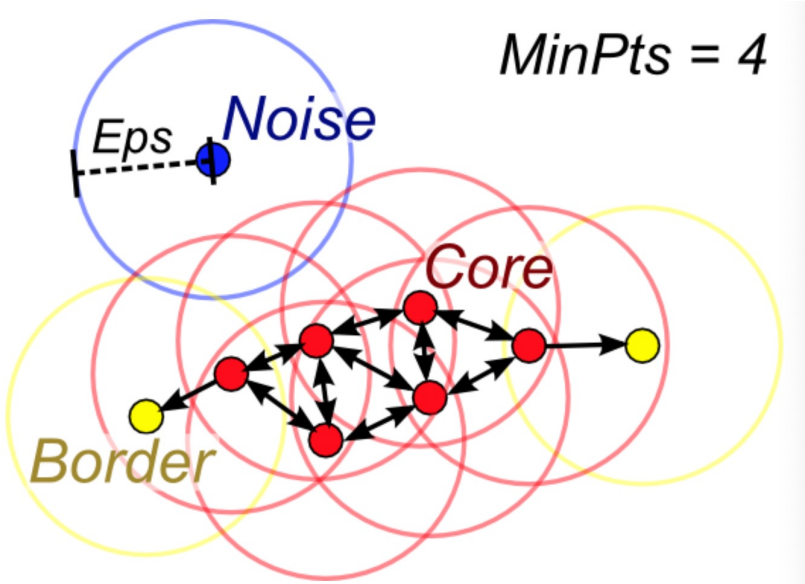
Back-end



- Implement additional functions for FE
- Fix and modify several APIs and ERD
- Add "Likes" feature to collect training dataset
- Add recommendation service through Flask recommendation server

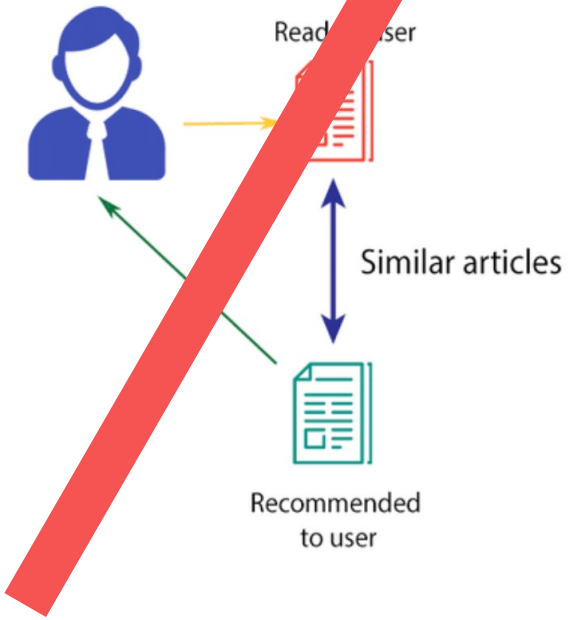
ML (Recommendation Server)

- DBSCAN Clustering



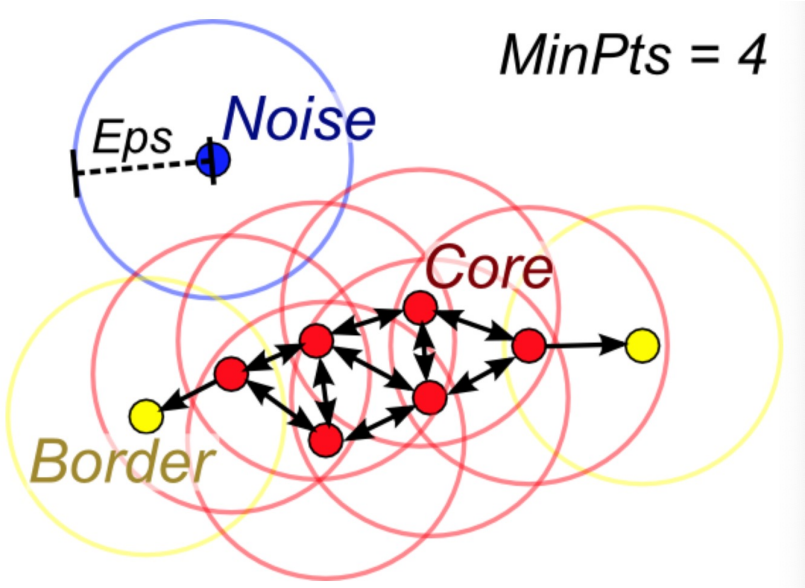
https://p829911.github.io/2019/01/11/DBSCAN/

- Content-based filtering



ML (Recommendation Server)

- **DBSCAN Clustering**



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New Solution

- Calculate Euclidian distance in target cluster

ML (Recommendation Server)

0. DBSCAN Clustering
1. Find cluster of target user
2. Find cluster of “Liked” user who the target user does.
3. Flatten all data from clusters
4. Calculate Euclidian distance and make recommendation list.

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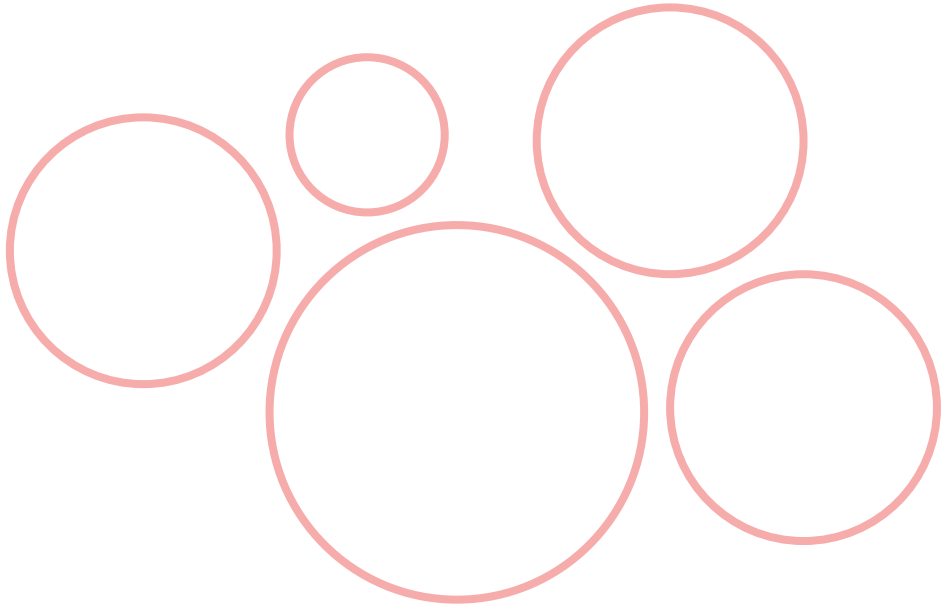

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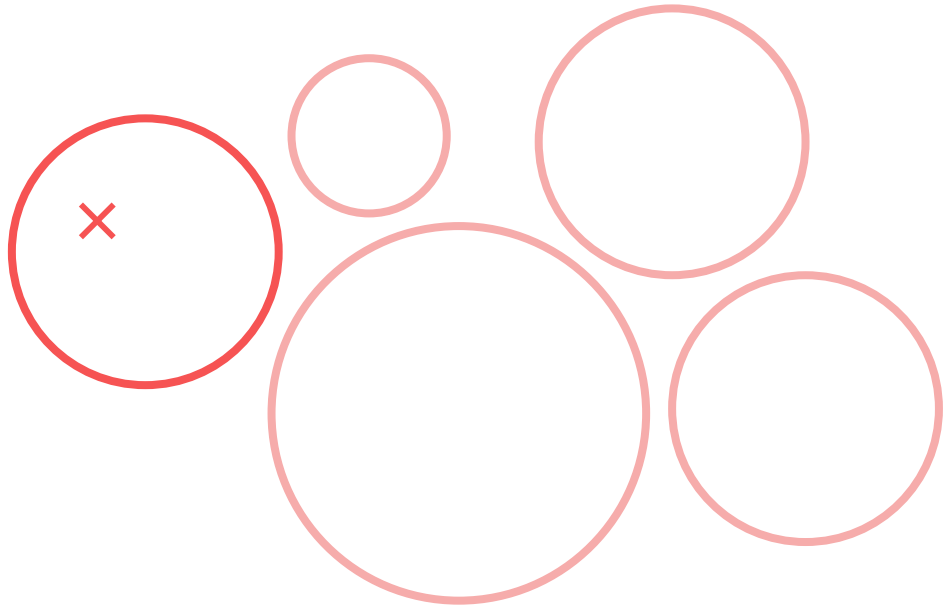

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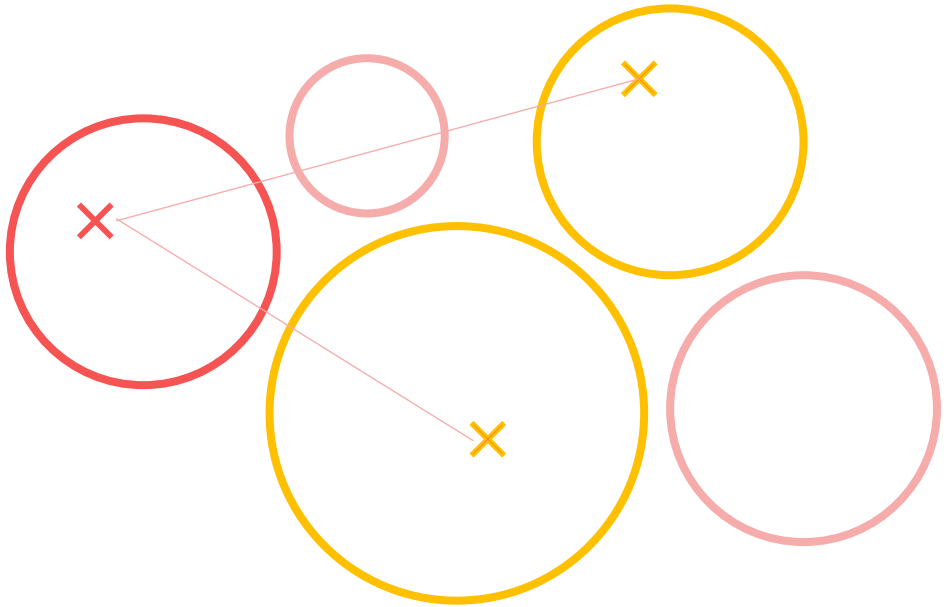

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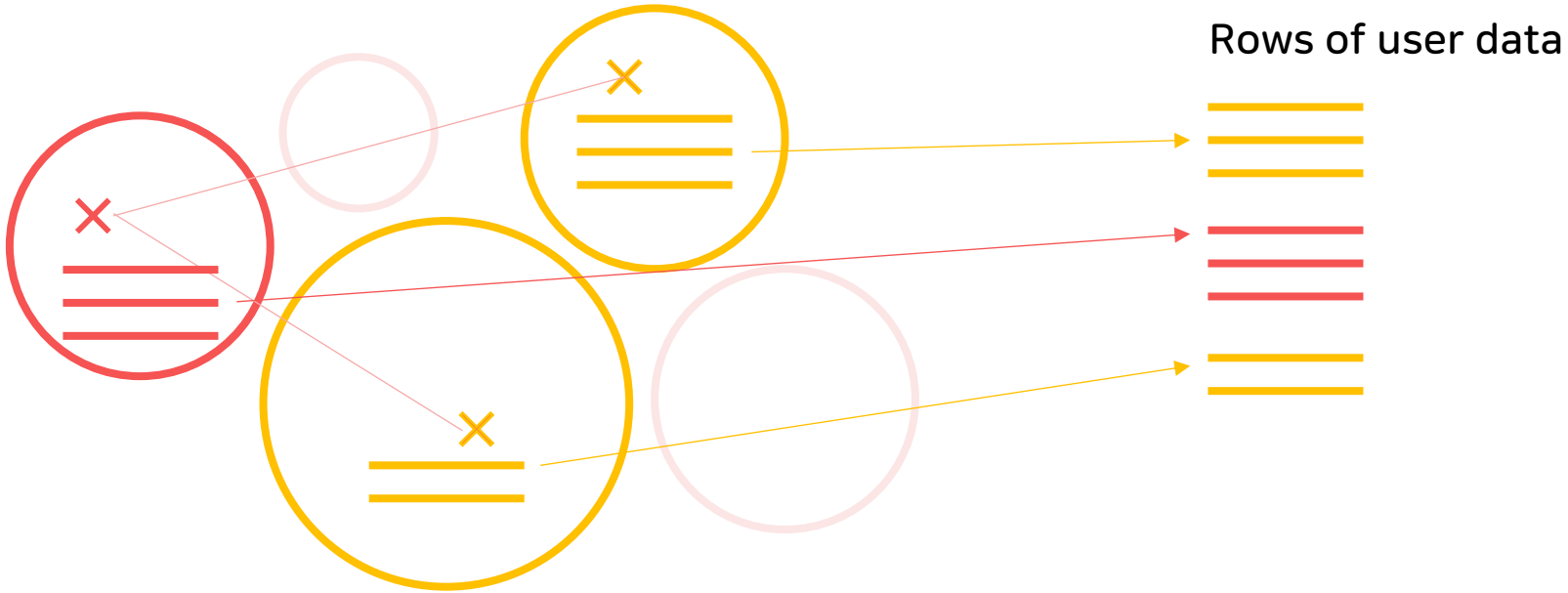

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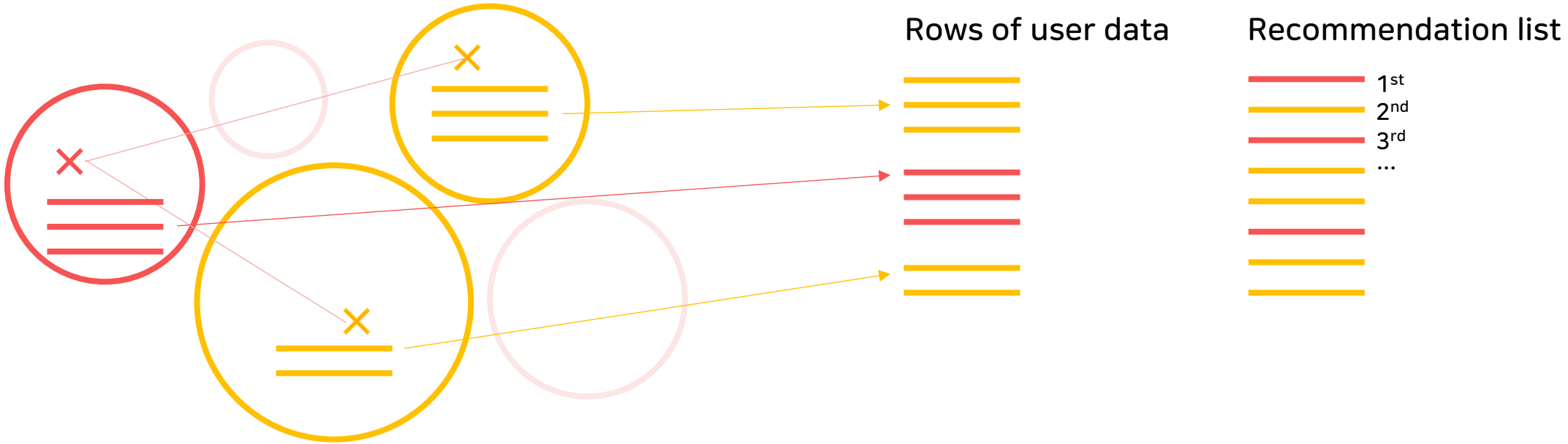

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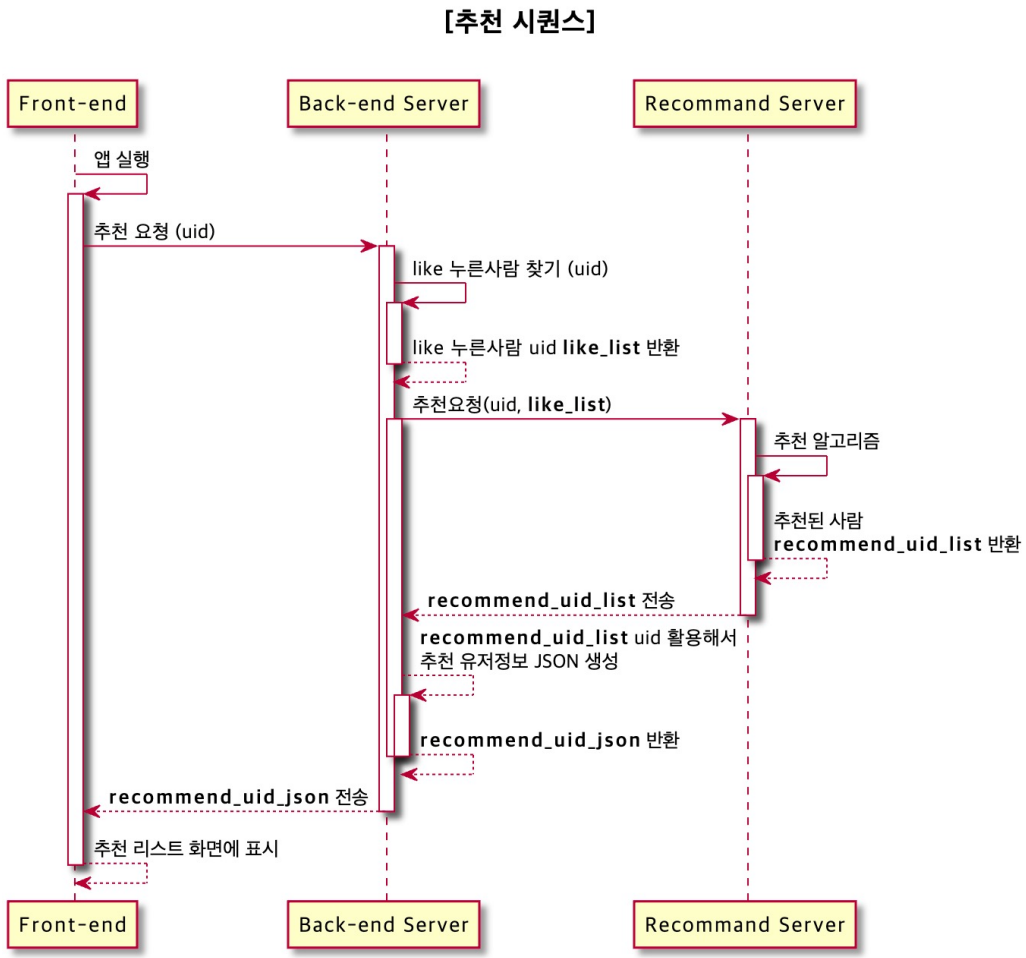

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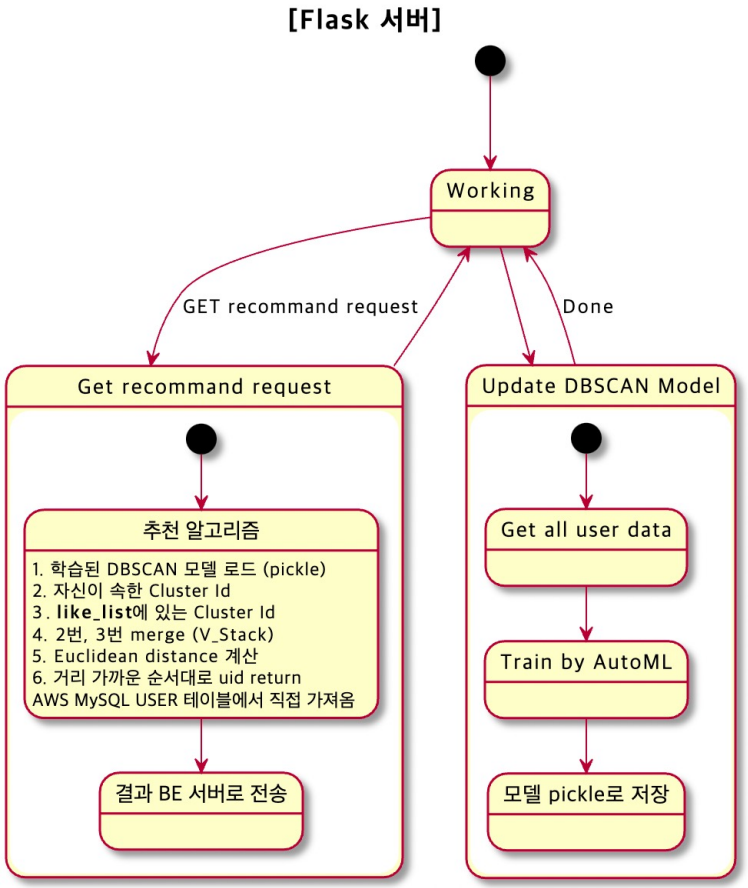

- Implement tangible recommendation sequence
- Connect Flask server with main service server (Spring)
- Ready for test in practical field

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