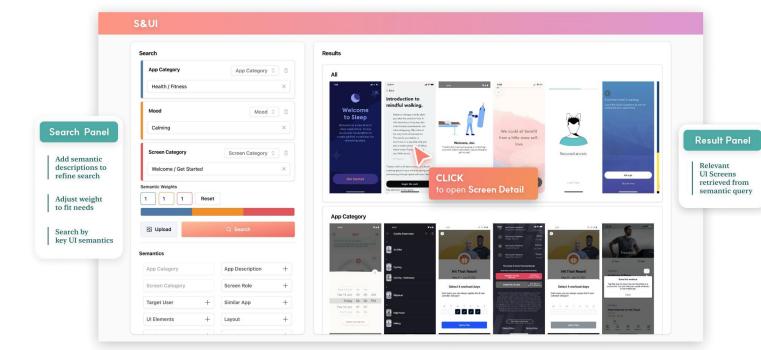
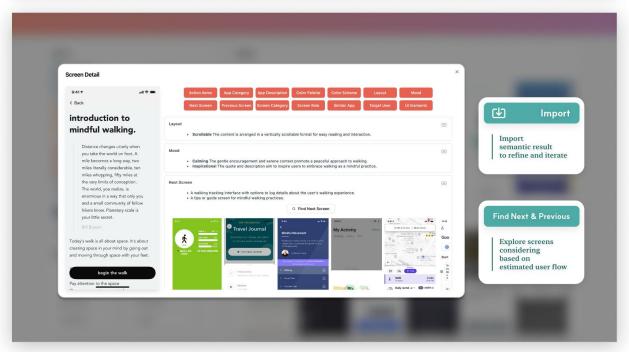
# Adjustable Multi-Semantic Query and Search System

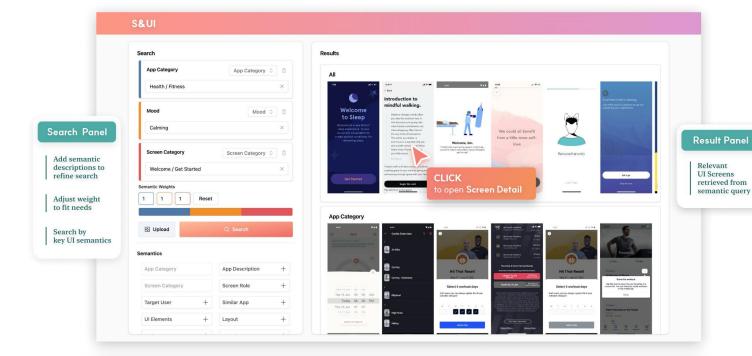
Aeri Cho, Seokhyeon Park, Soohyun Lee, Hyeon Jeon

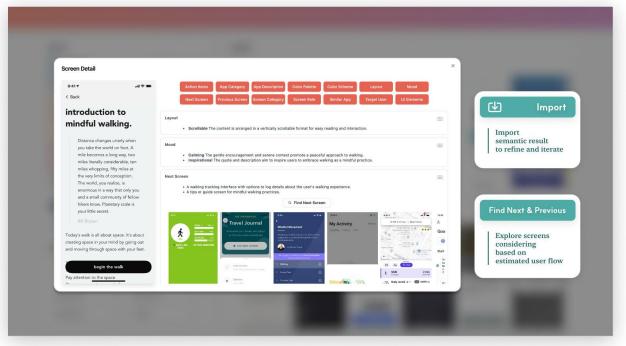




# Motivation

Various semantics in modern search system...





#### Motivation

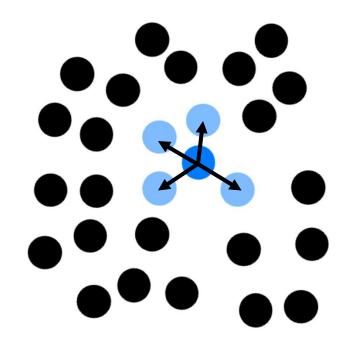
Various semantics in modern search system...

e.g., mobile UI search system for designers

- App category
- Layout
- UI Elements
- Mood
- etc...

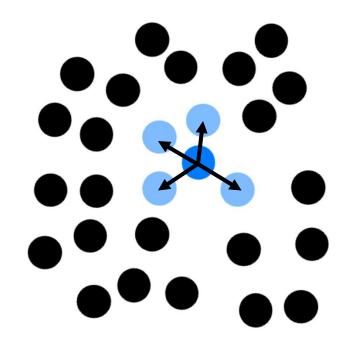


Query by the weighted sum of multiple semantics





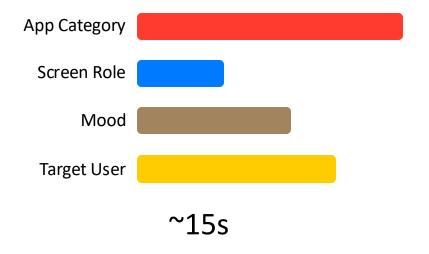
# Based on k-Nearest Neighbors Query by the weighted sum of multiple semantics



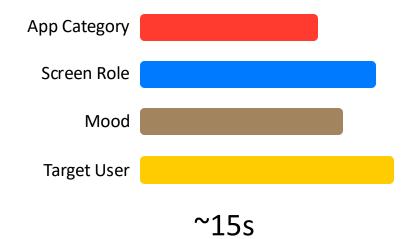


Based on k-Nearest Neighbors
What if query weight changes?

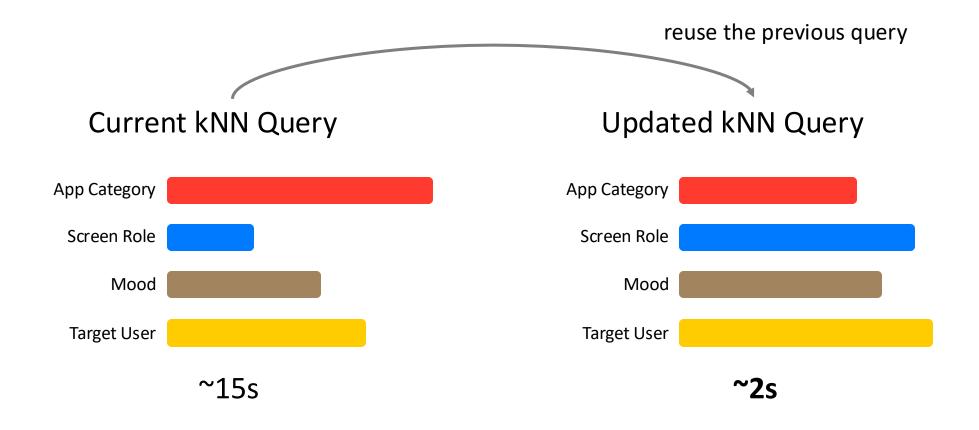
### Current kNN Query



### Updated kNN Query

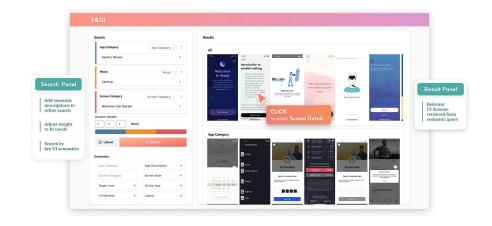


# Goal

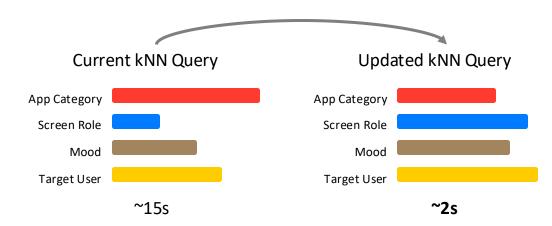


# **TODO**

#### Search UI design & development



### Algorithm Implementation



# Preference

# JavaScript + React Programming

- For Search UI Development

# Python Programming

- For Search Algorithm Implementation

# 방학 중 참여

- For VIS 2025 short paper submission (25.5.1 예상)