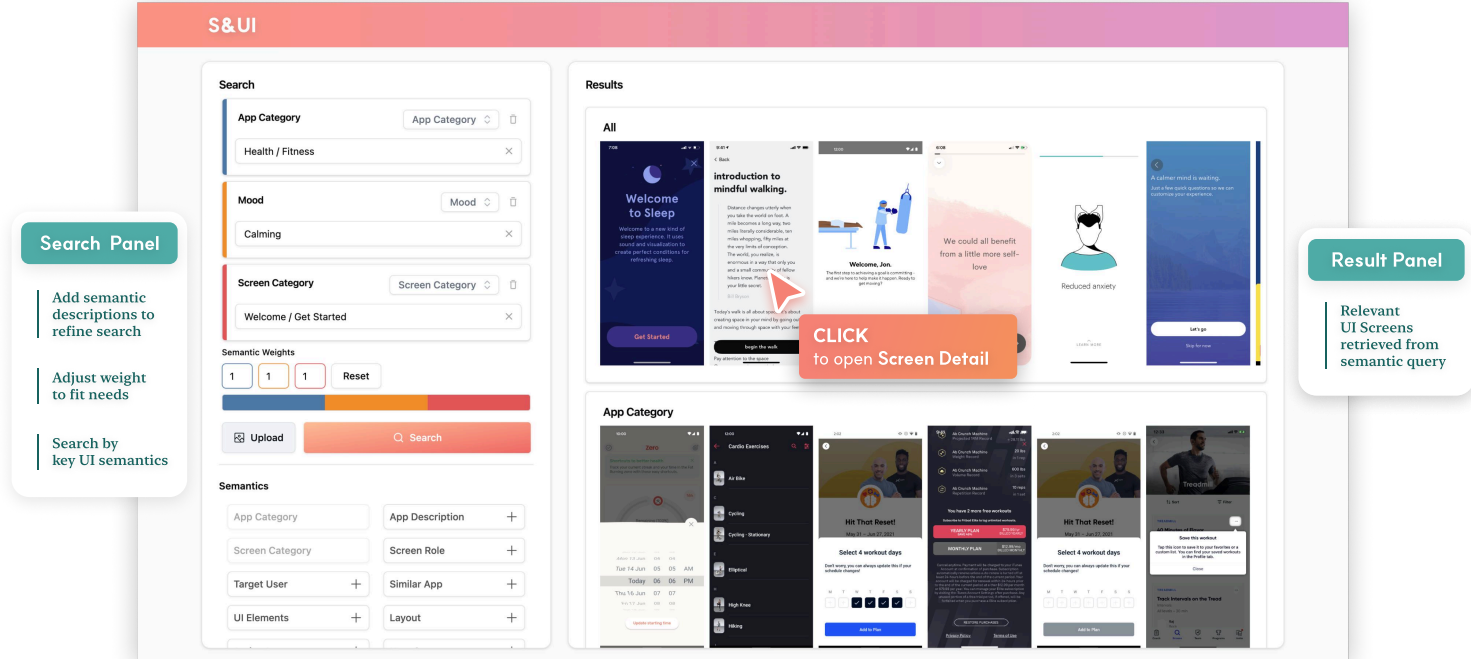


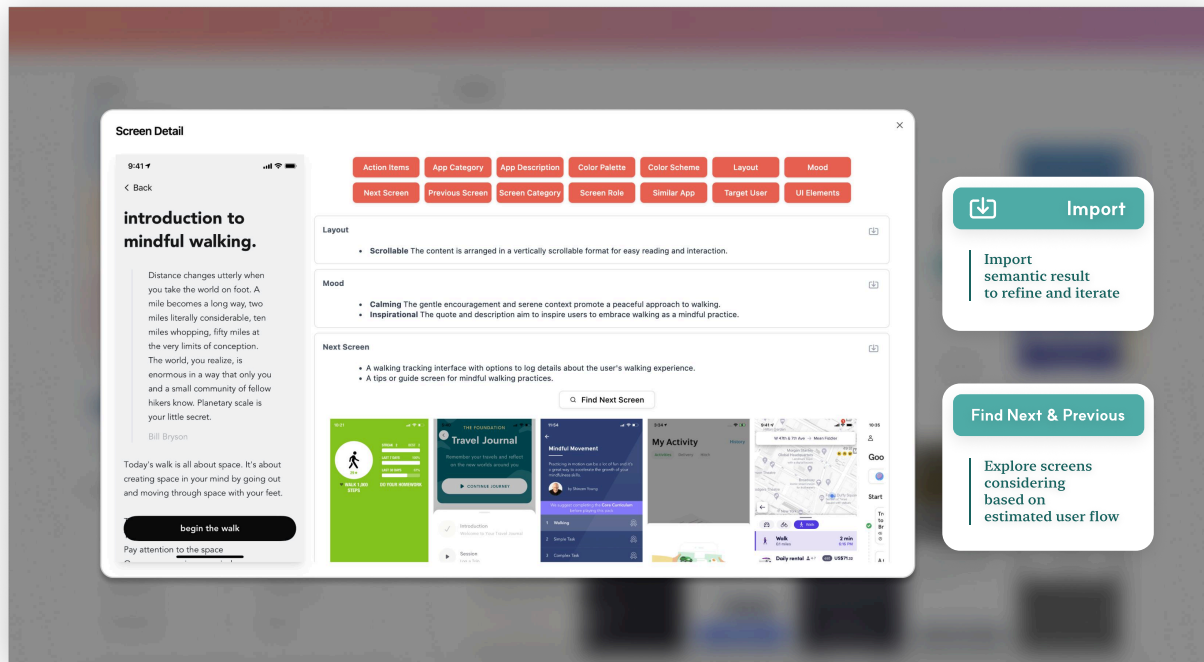
Adjustable Multi-Semantic Query and Search System

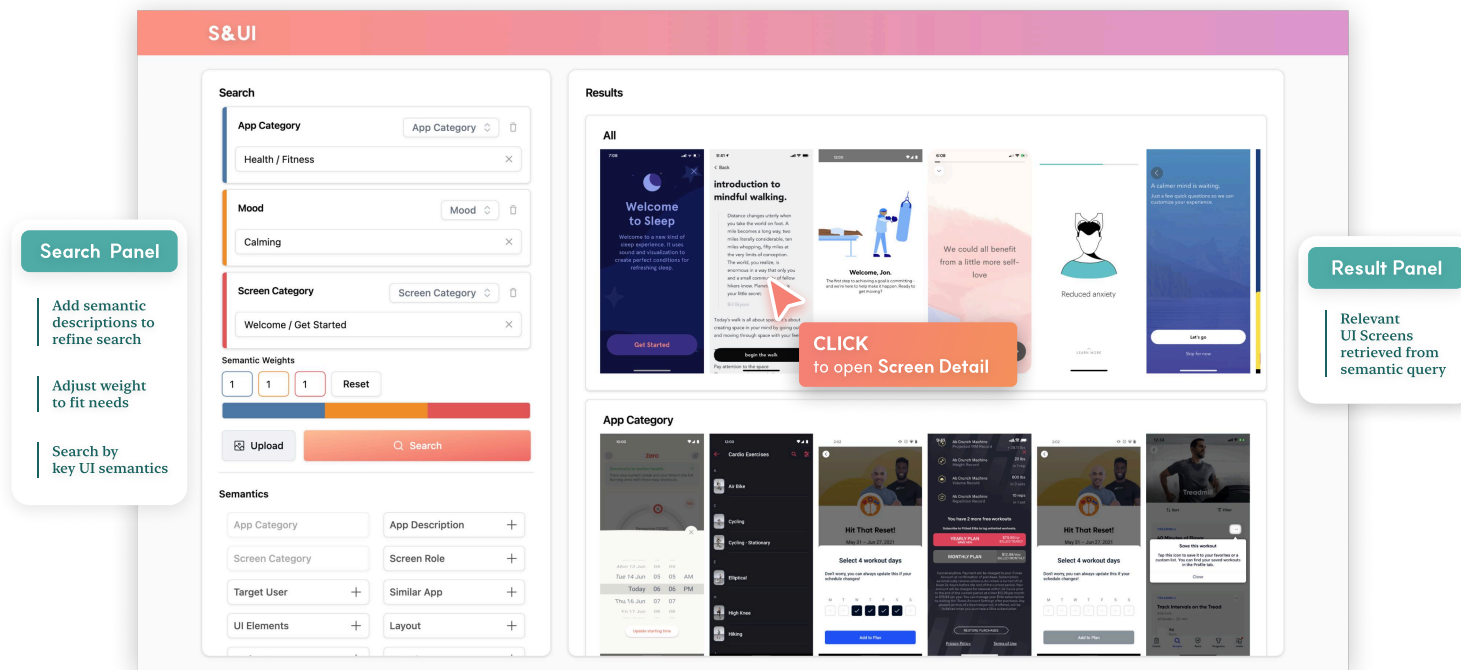
Aeri Cho, Seokhyeon Park, Soohyun Lee, Hyeon Jeon



Motivation

Various semantics in modern search system...



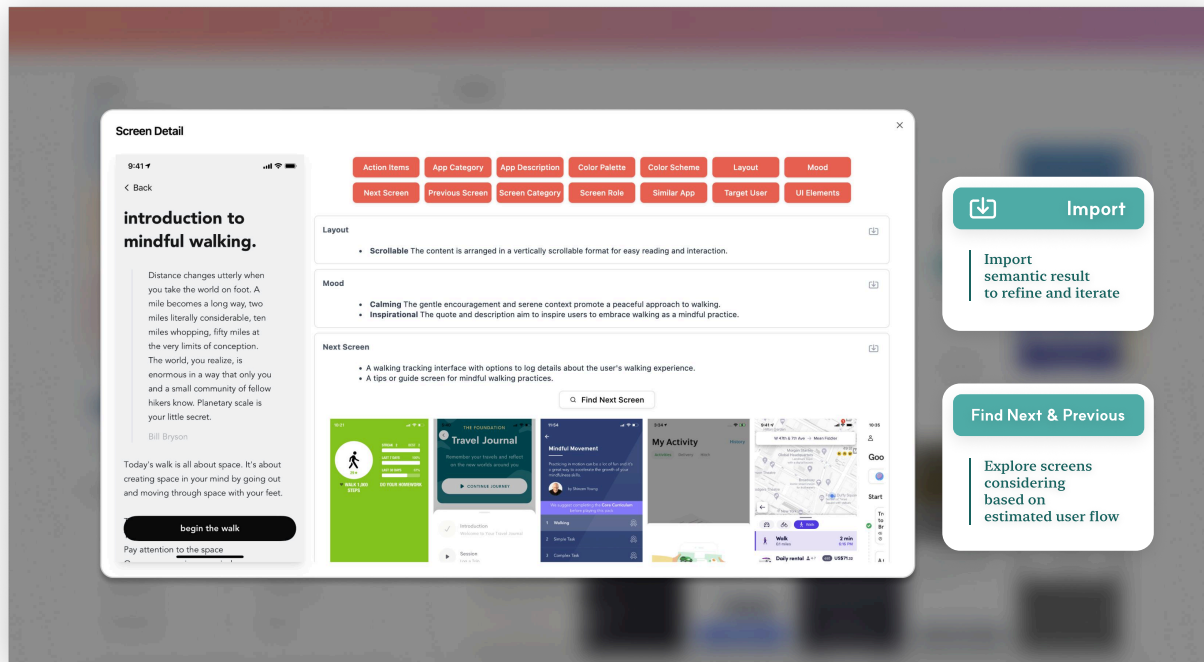


Motivation

Various semantics in modern search system...

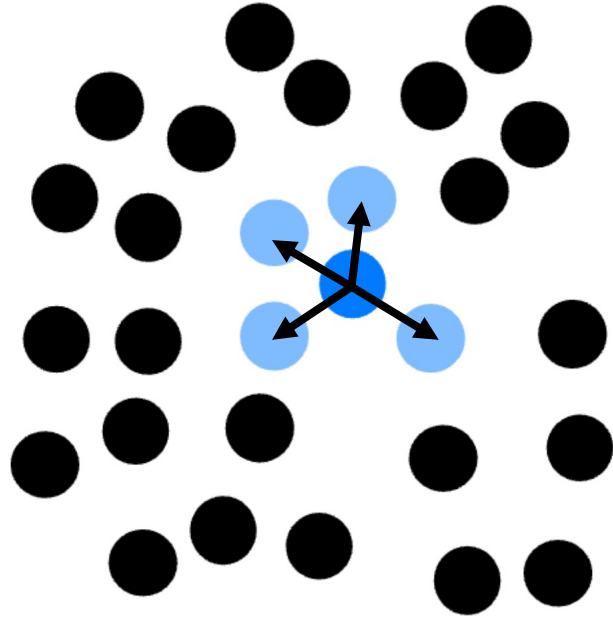
e.g., mobile UI search system for designers

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

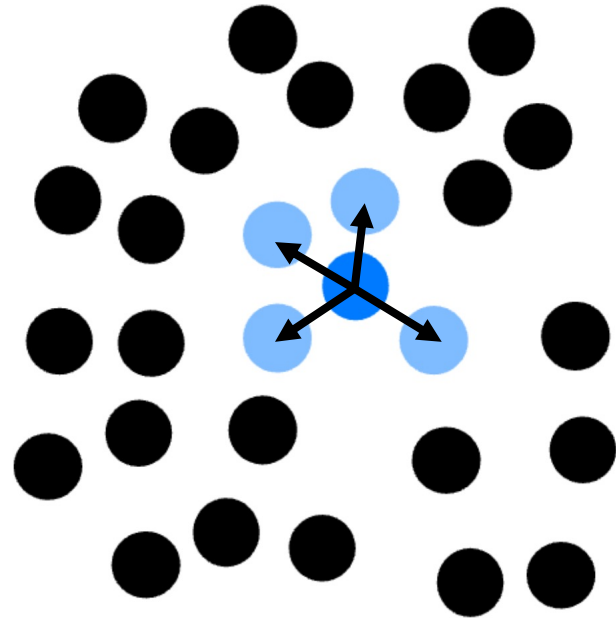




Query by the weighted sum of multiple semantics



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



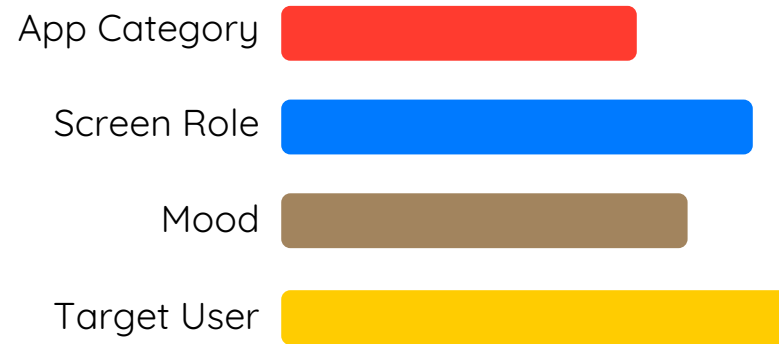
*Based on **k-Nearest Neighbors***
 What if query weight changes?

Current kNN Query



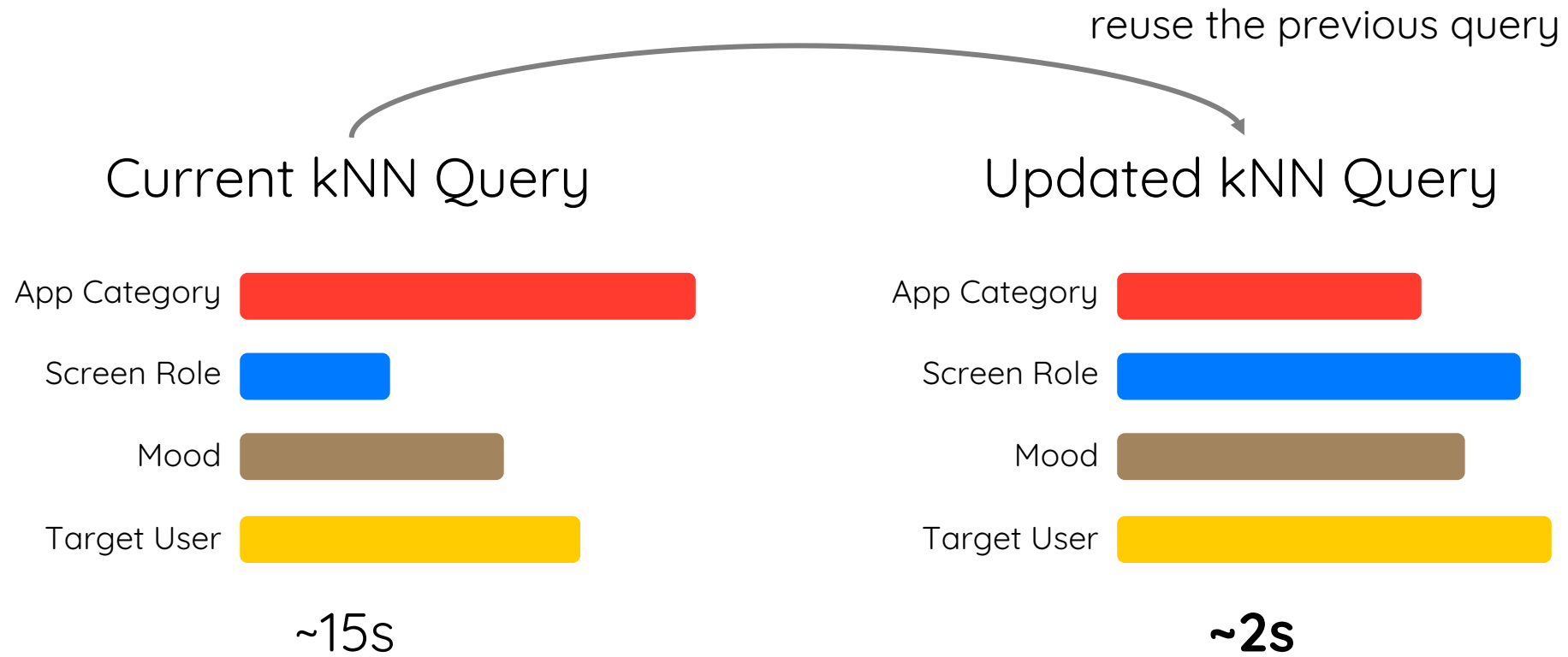
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Updated kNN Query



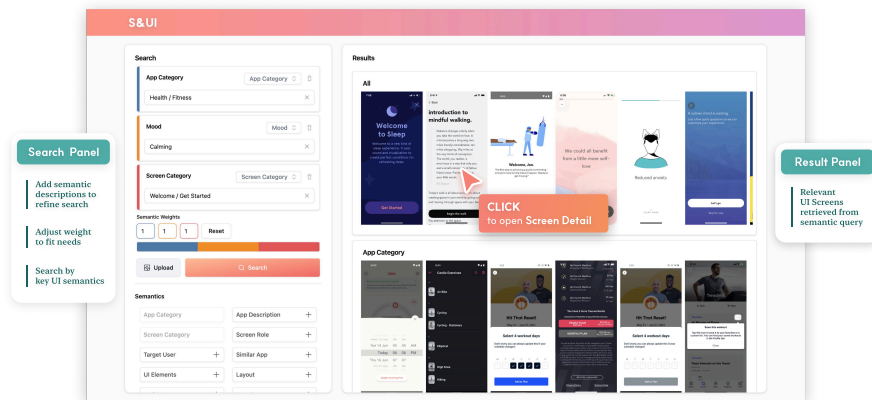
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Goal

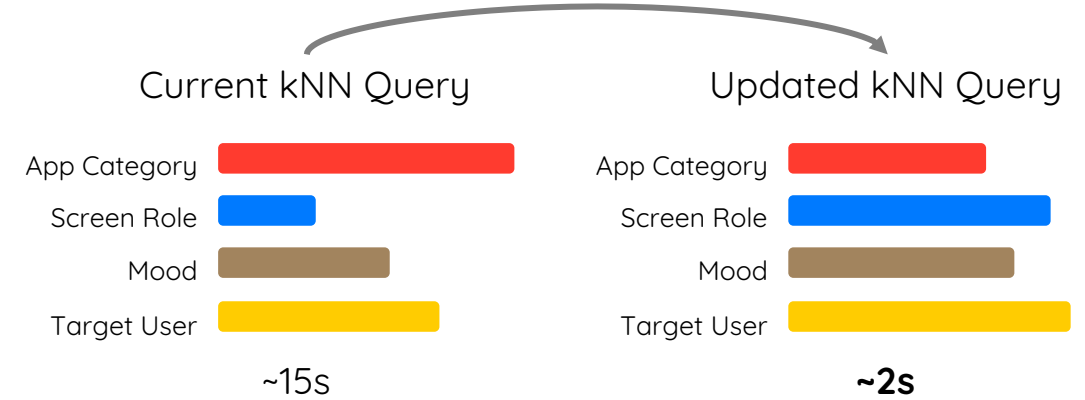


TODO

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