

Goal

Audience

Technologies

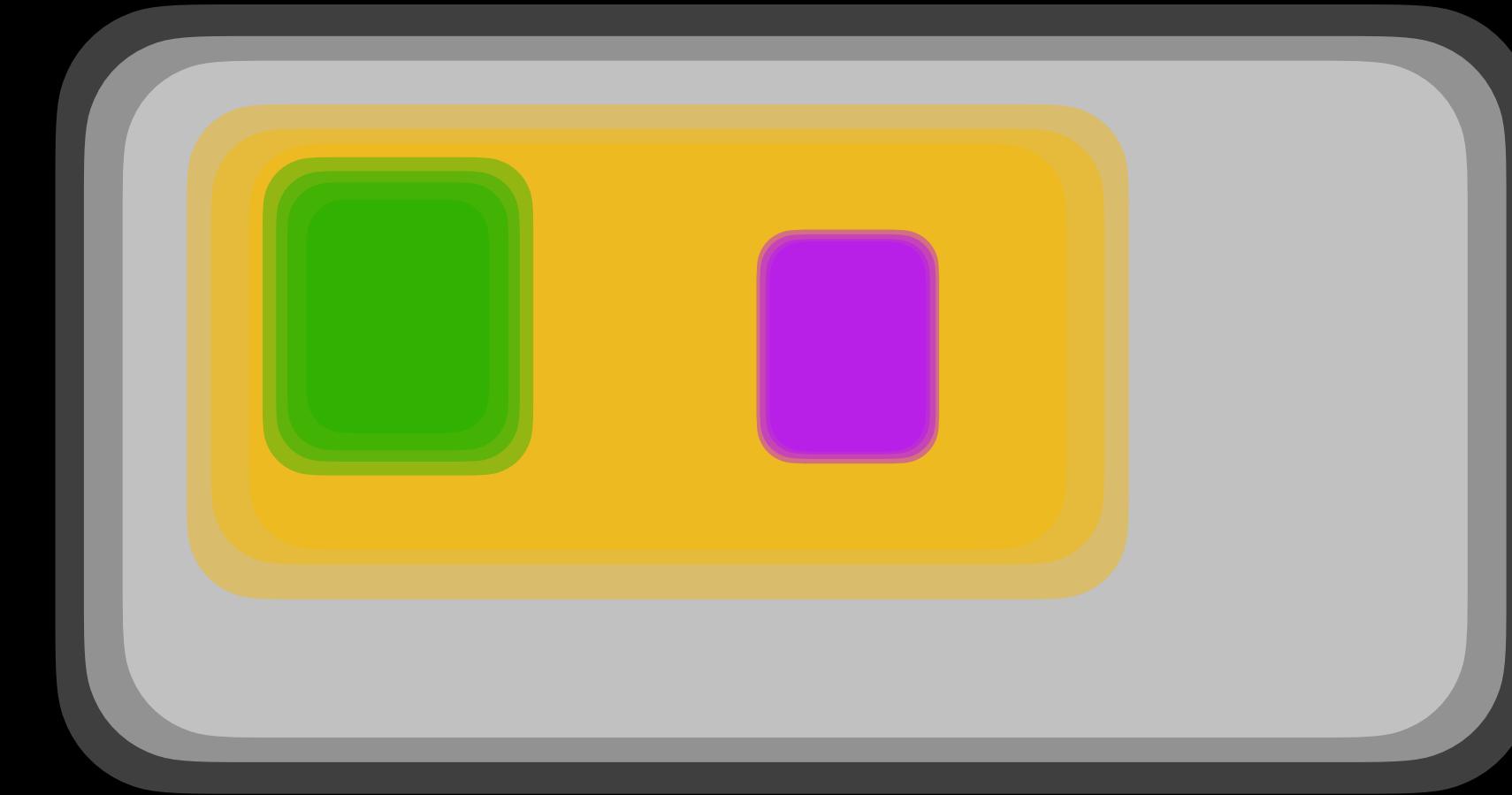
Design

Roadmap

Kard

Overview

Goal:



Spatial access to linked sets of media

A new way to collect and file digital possessions

Spaces to accumulate ideas

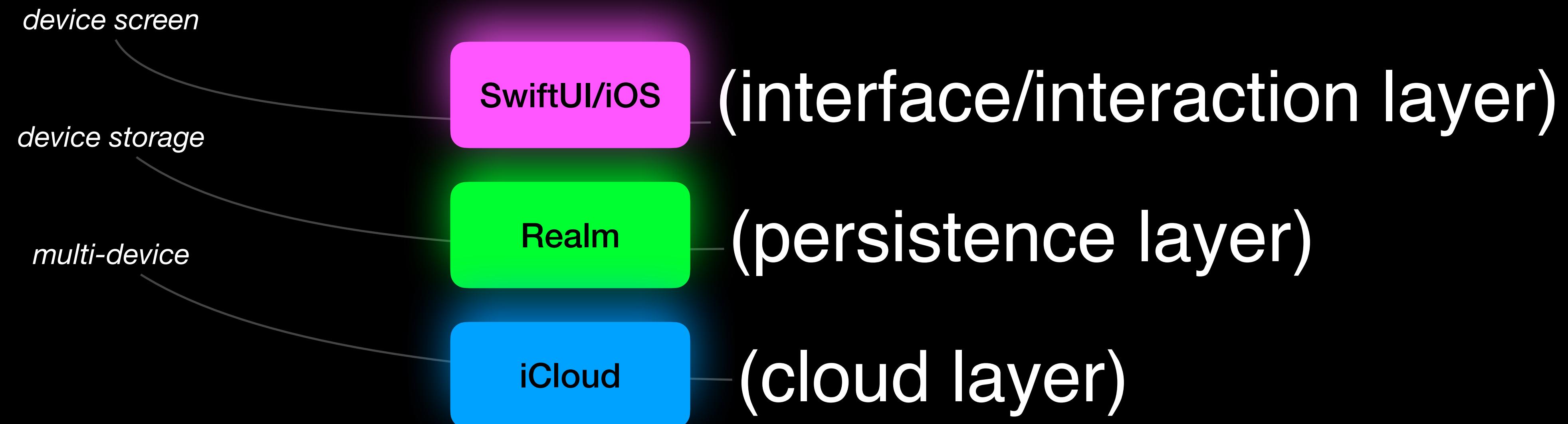
Canvas-based interactions

Audience:

Anyone with an iPhone
(appealing specifically to collectors, creators)

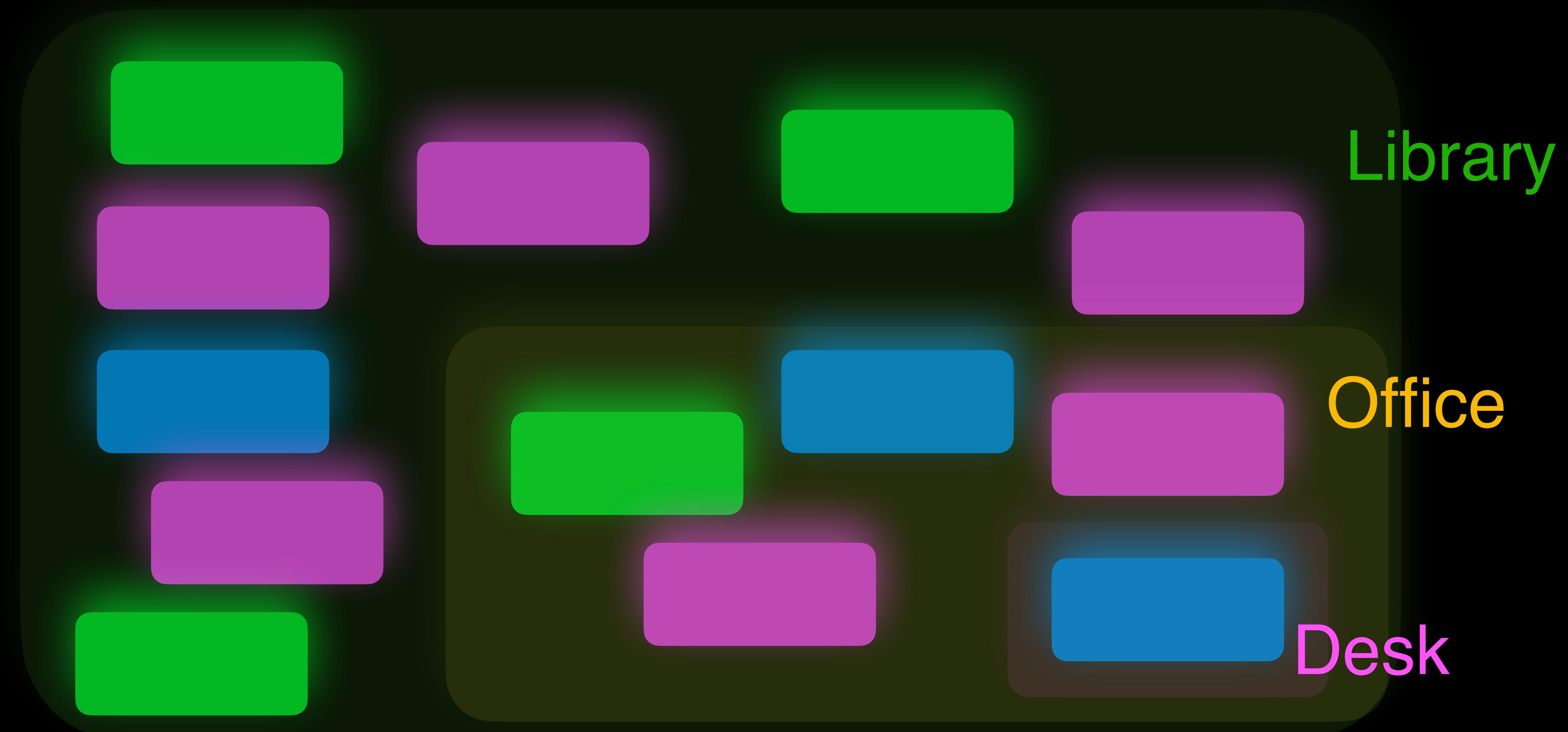
“this app should come with the phone”

Technologies:



Design: Core Interface Problem

How do you arrange 3 levels of data into a single phone screen?



Design: Interfaces

Library

Everything (~100+)

“Stored Memory”

All collected media,
sorted and grouped

*shelves/drawers/boxes/stacks of
books, references, music, movies,
clippings,*

Office

Some (~10 - 100)

“Cache”

Sets of media,
grouped according
to task/purpose

desks/tables/boards/surfaces

Desk

One-ish (1~10)

“Working Memory”

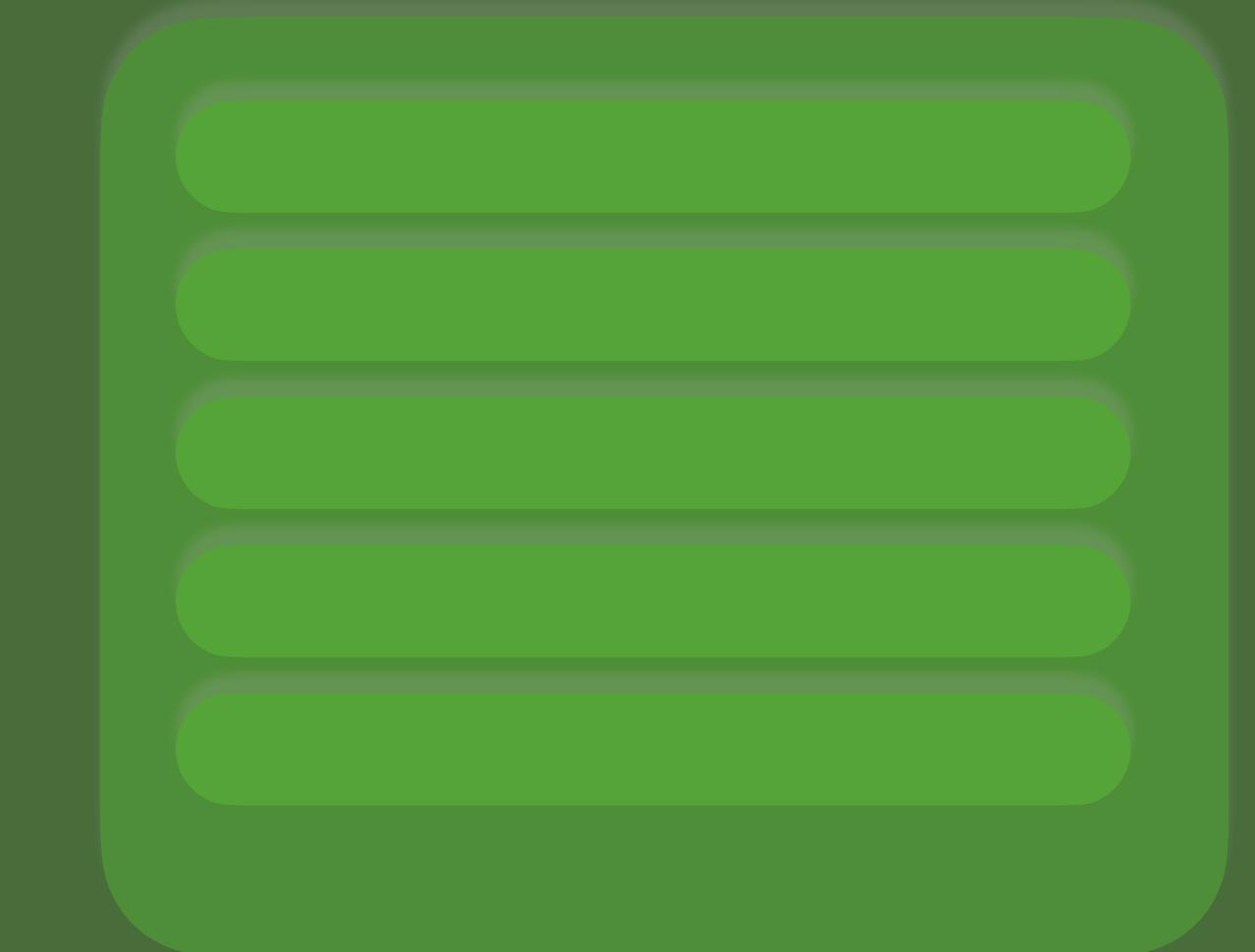
Set of active media
in current focus

a single surface

Design: Interface Metaphors

Library

Finder



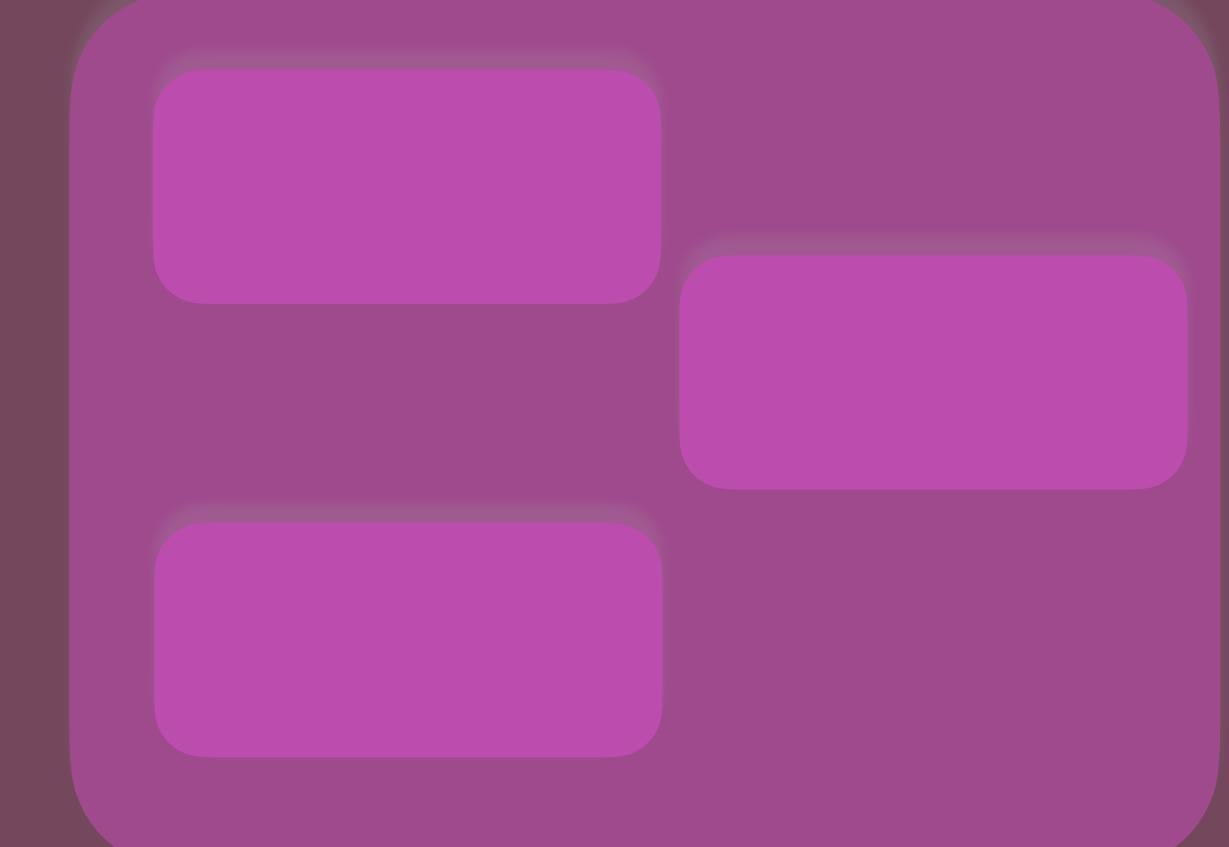
Office

Tabs



Desk

Canvas



Design: Data

Everything is an Item

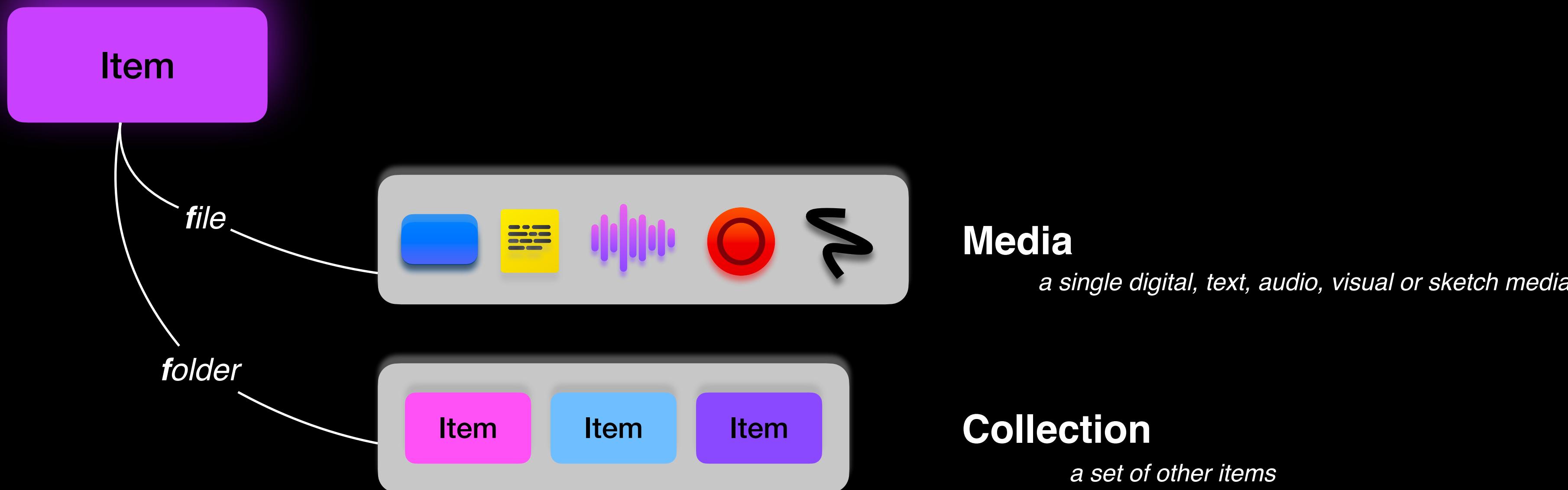
Items can be viewed on Desks

Our Library holds all our Items

Our App connects the Library to a set of
Desks (Office) and an interactive Desk

Design: Item

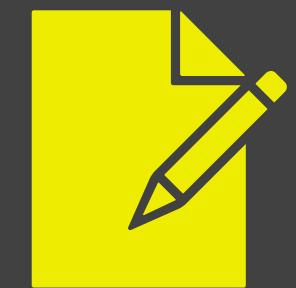
**Item = File + Folder
(media + collection)**



Design: Media



File



Note



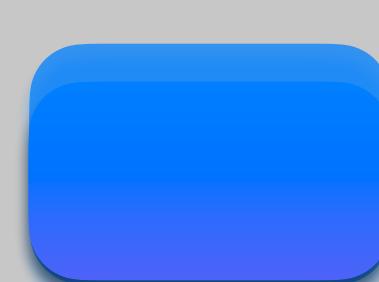
Photo



Video



Web



Digital



Text



Audio



Visual



Sketch



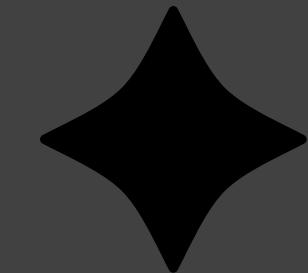
Podcast



Song



Recording



Graphic

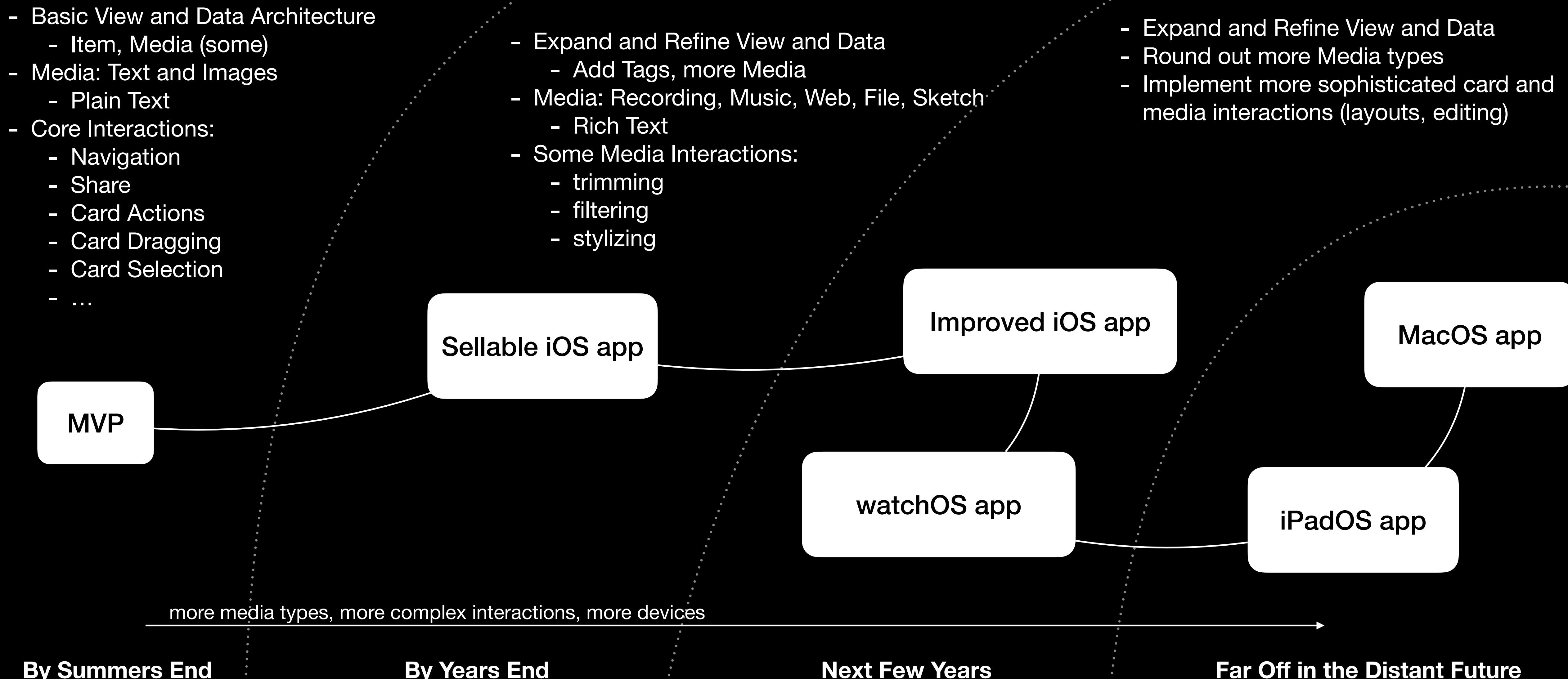


Drawing

High-Level
MVP (current)

Kard
Roadmap

High-Level



MVP

Data Architecture

- Database
 - Item
 - Media
 - Card
- State
 - [Desk]
 - Search, Filter
 - Selection
 - Showing
- Cache
- Links

Interactions:

- Navigation
- Share
- Searching/Filtering
- Card Actions
- Card Dragging
- Card Selection
- Card Resizing/Rotating

Views

- Library
- Office
- Desk
- Card
- Edit
- Filter
- Color
- Font

Media

Item

Card

Desk

Library

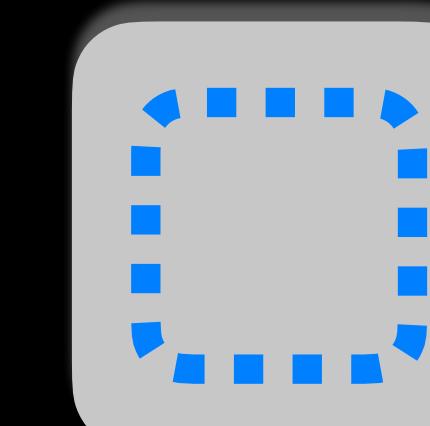
Office

Edit

Font

Filter

Color



Interactions

Secondary Views

Filter

Office

Filter

Library

Color

Font

Edit

Filter

Main Views

Models

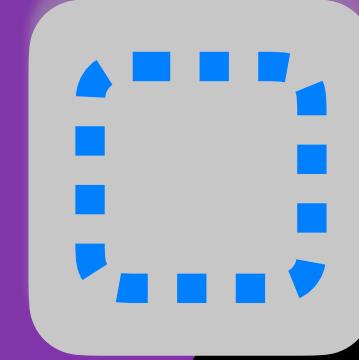
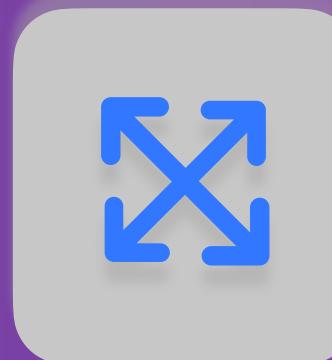
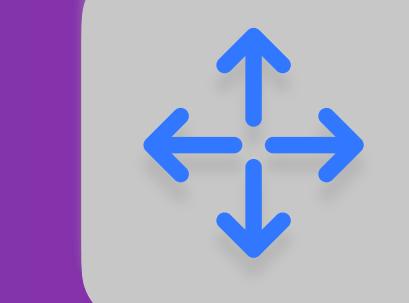
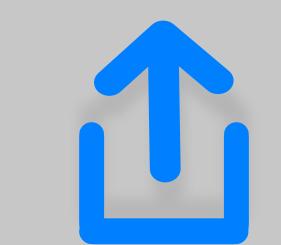
Item

Card

Media

Share

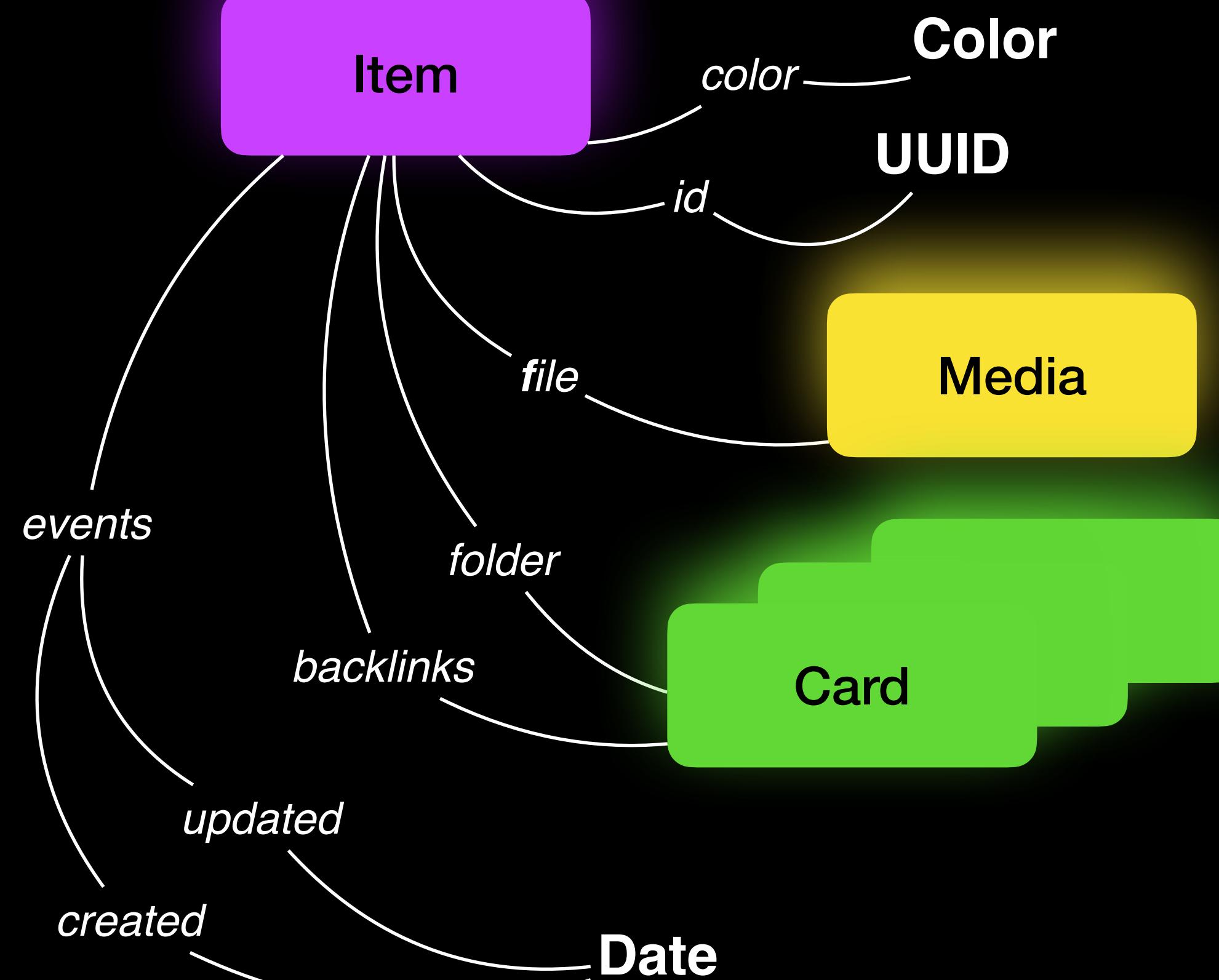
Desk





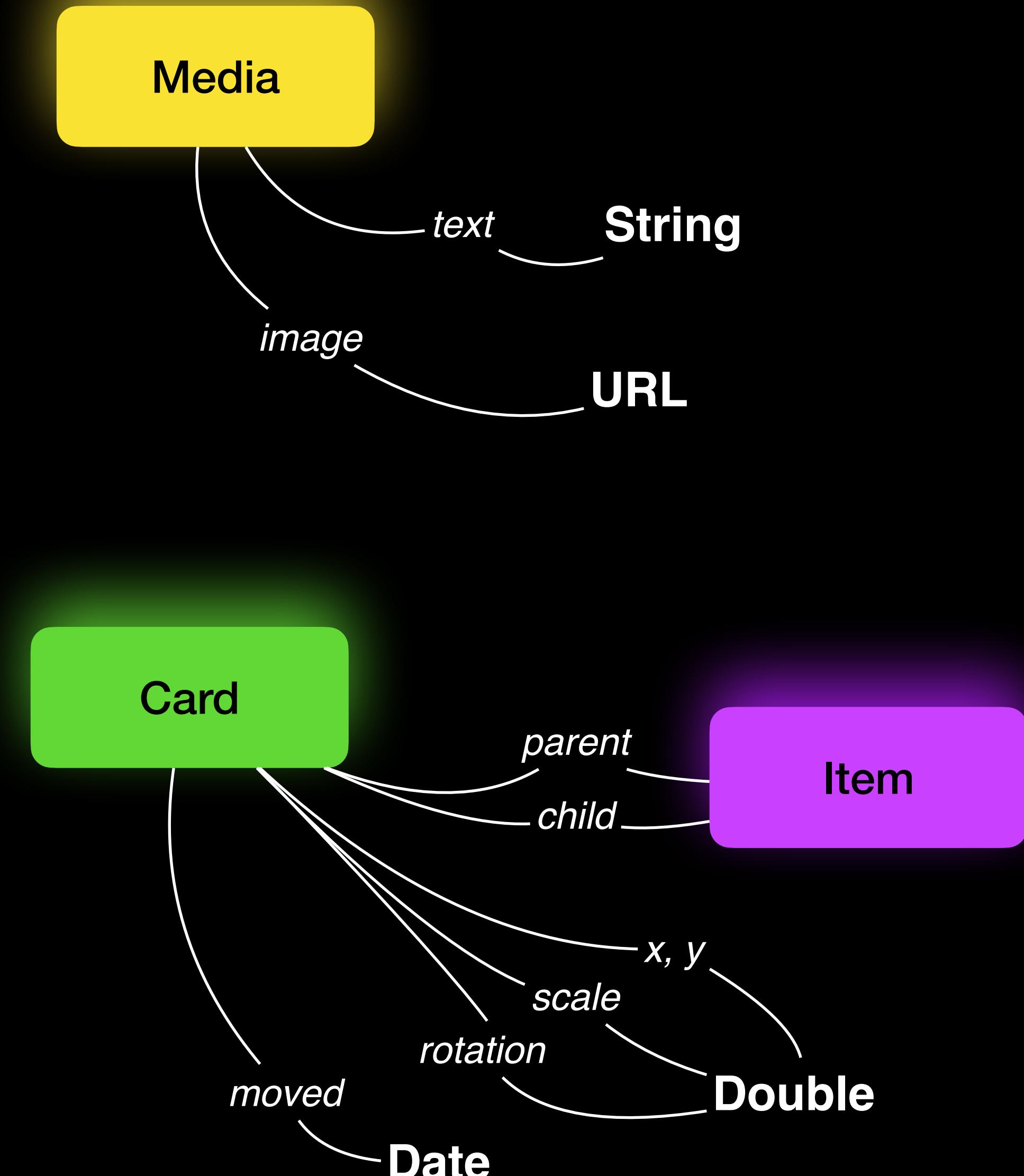
MVP: Data Architecture

Database



library = set of all Items

desk = set of an Item's cards





MVP: Data Architecture

State

search

filter

sort

(for Desk, Office, Library)

office ([Desk])

Desk

desk

Desk

selection (Set<Card>)

card

card

ard

card

card

sheet

dialog

drawer





MVP: Data Architecture

Cache

network calls

URL

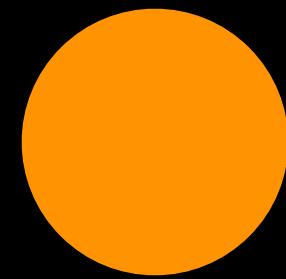
LinkMetadata

Link

link holds metadata about Media objects (title, image, etc), which we use to build rich links

large computations

(none for MVP)



MVP: Interaction Architecture

Interactions:

- Navigation
- Share
- Searching/Filtering
- Card Actions
 - Editing
 - Dragging
 - Selection
 - Resizing
 - Rotating



Navigate



Share



Search



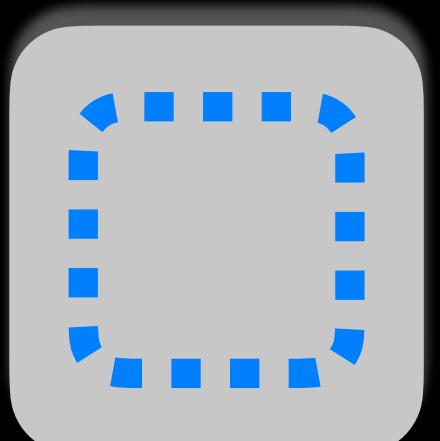
Filter



Edit
Card



Move
Card



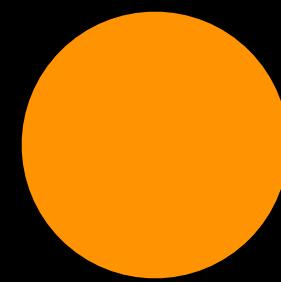
Select
Card



Resize
Card



Rotate
Card



MVP: Interaction: Navigation

view one Item at a time

Desk

Item

Media

Card

pan, pinch to move around Desk

swipe horizontally

Search...

Library

Item

Item

Item

Item

Search...

tap on Item

Office

Desk

Item

Desk

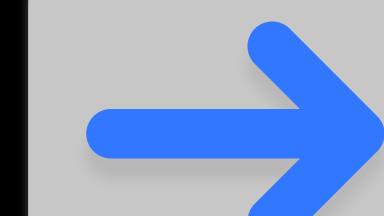
Item

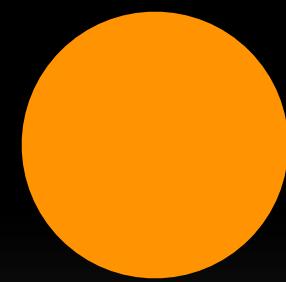
Desk

Item

Search...

**Office holds
Desk “tabs”**





MVP: Interactions – Share

Another
App

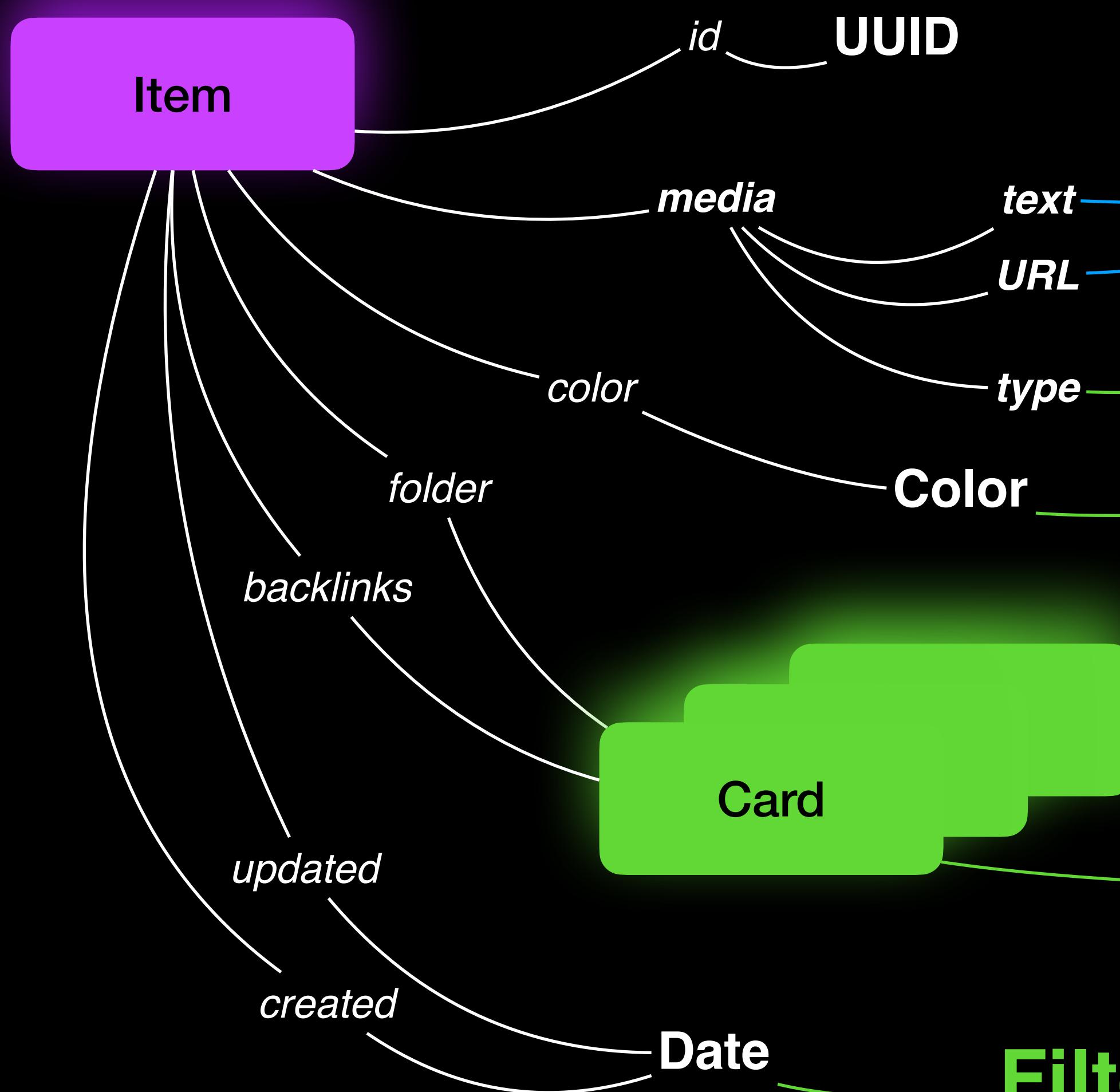


Show link preview

Allow user to select multiple items to add new item to



MVP: Interaction – Searching/Filtering



Search by text and URL string

Filter by Types

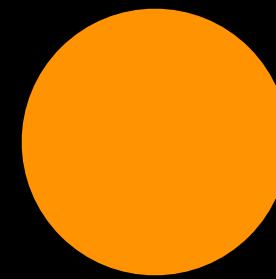
Filter by Hue, Brightness, Saturation

Filter by Relation

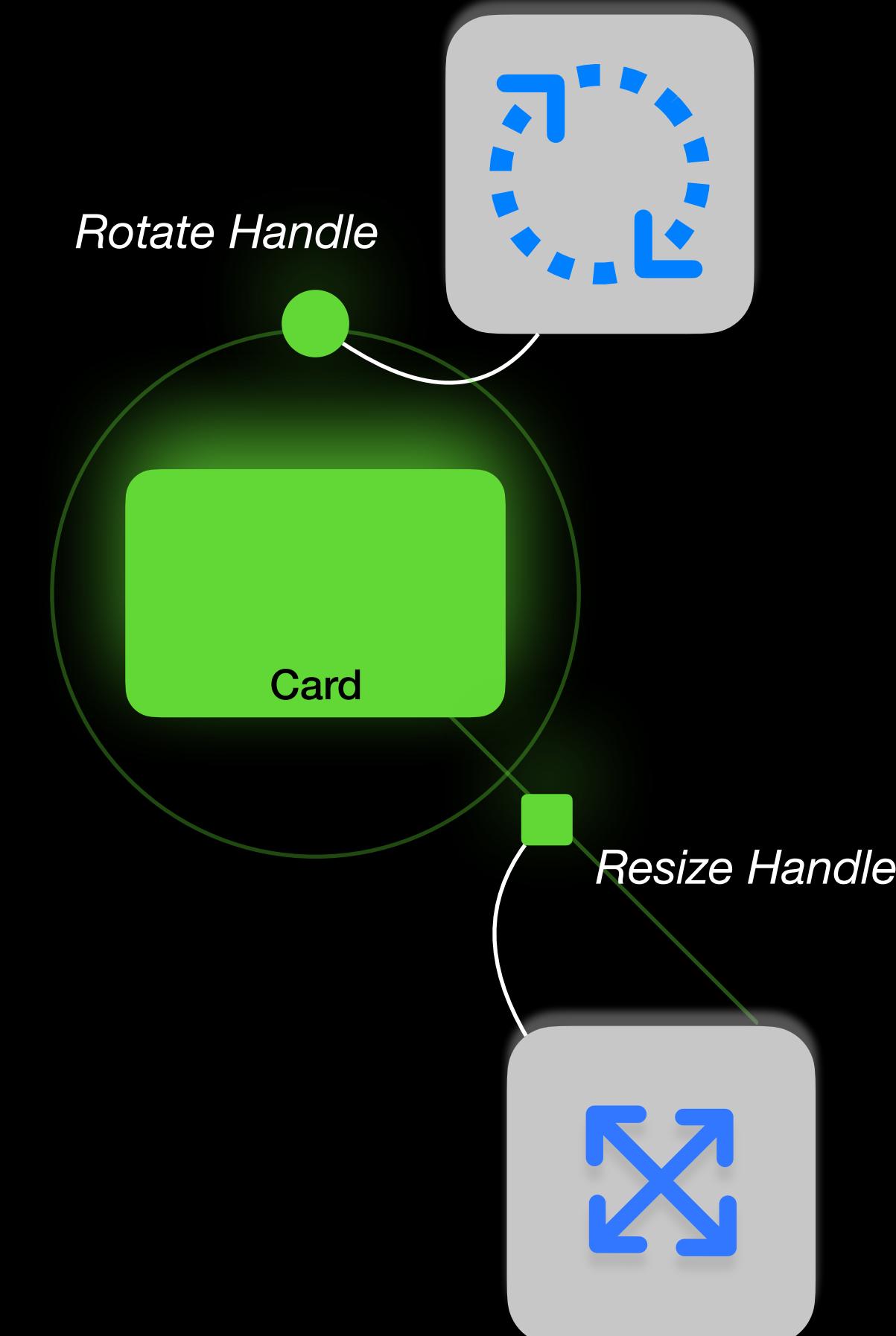
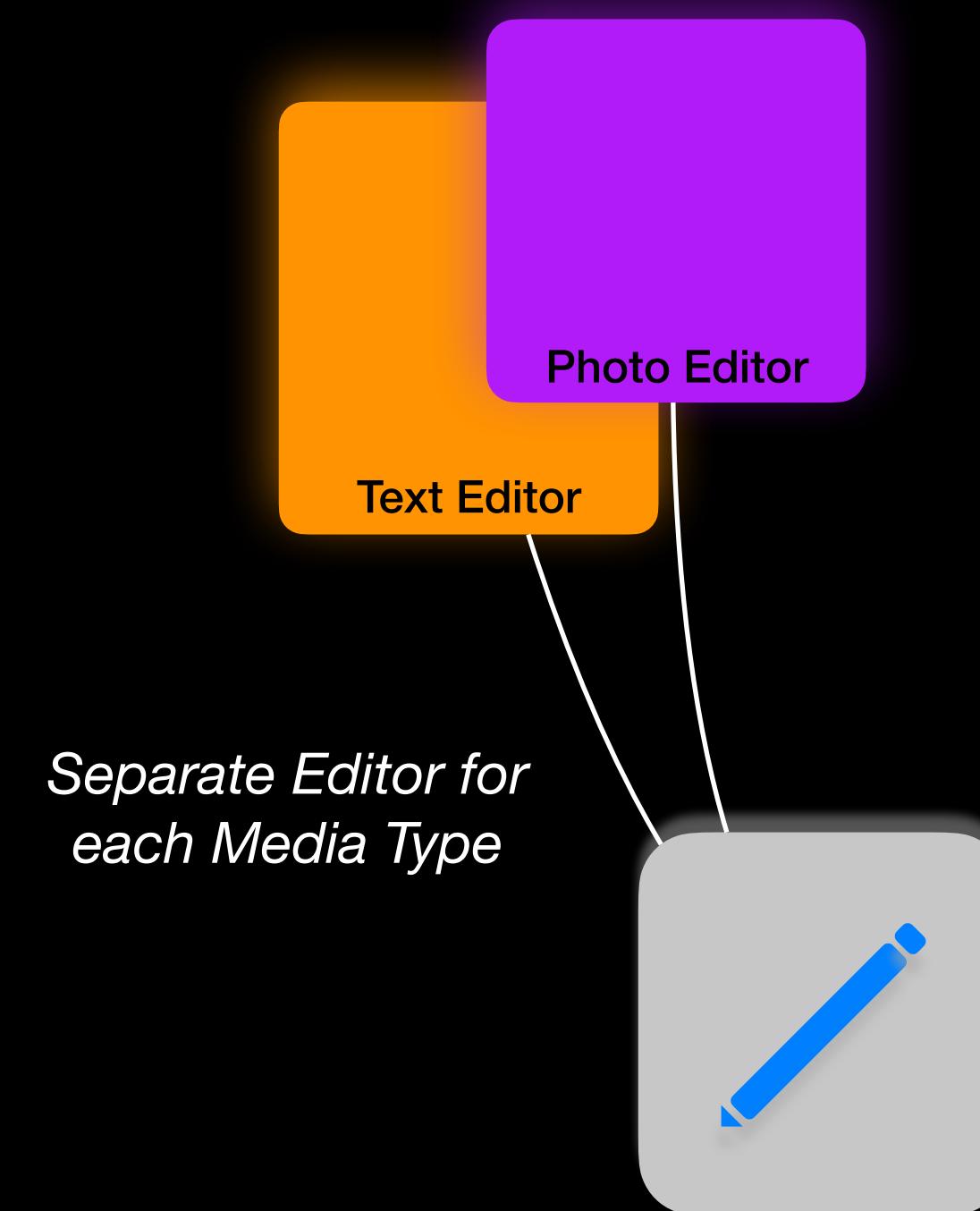
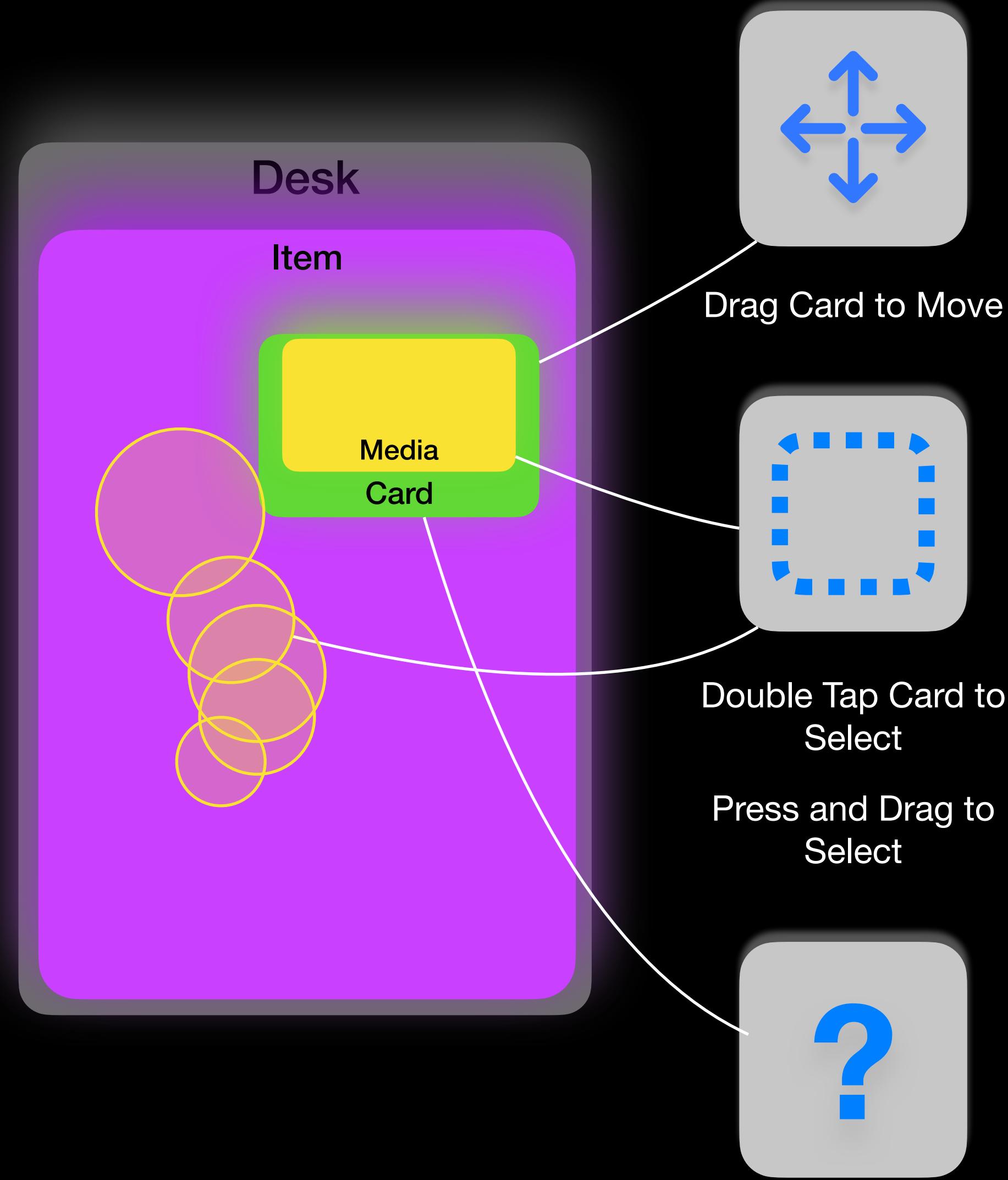
Filter by Date Range

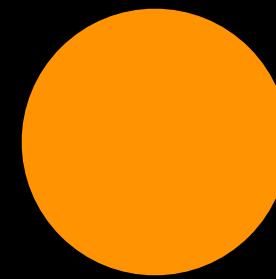
(Use two-handle slider for range selection)



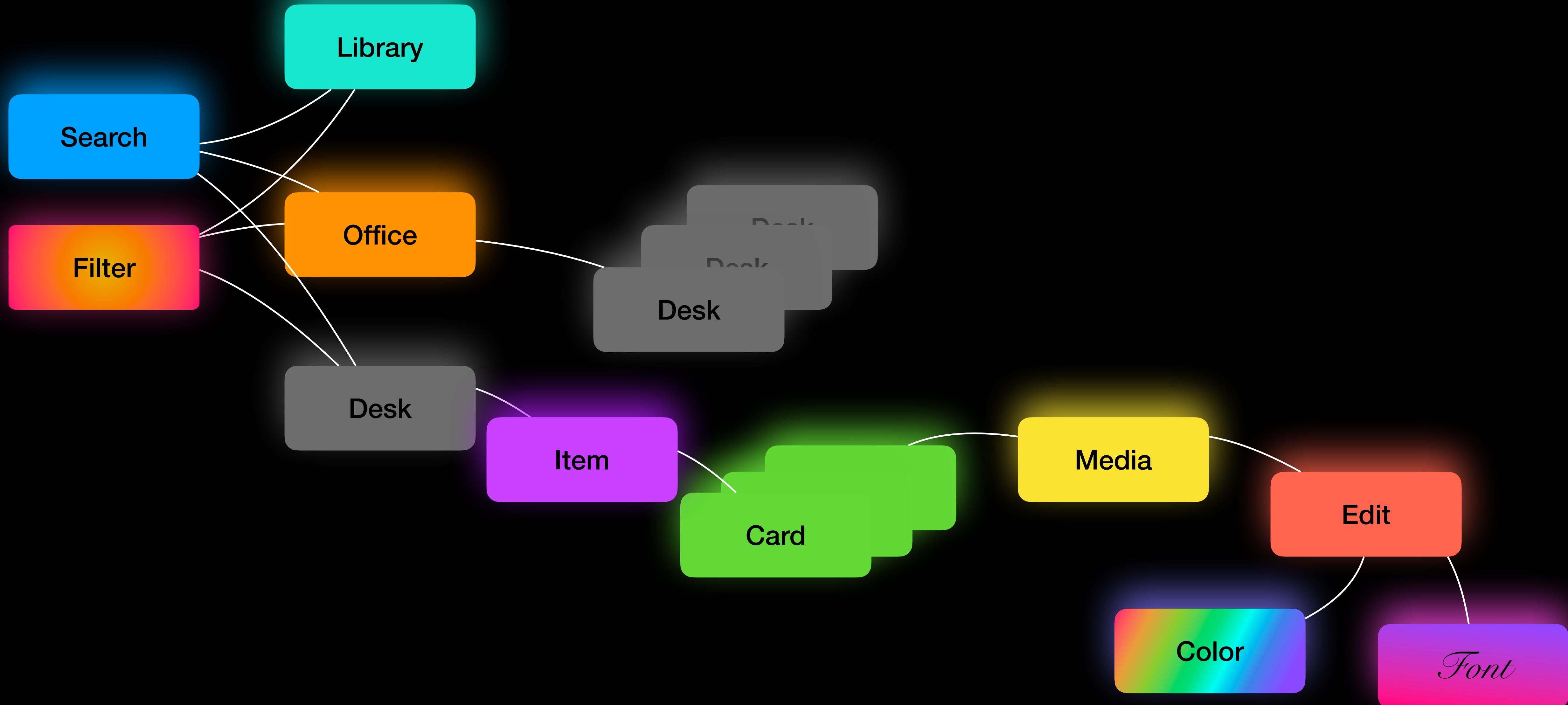


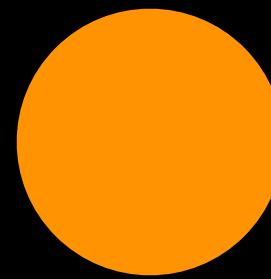
MVP: Interaction – Card



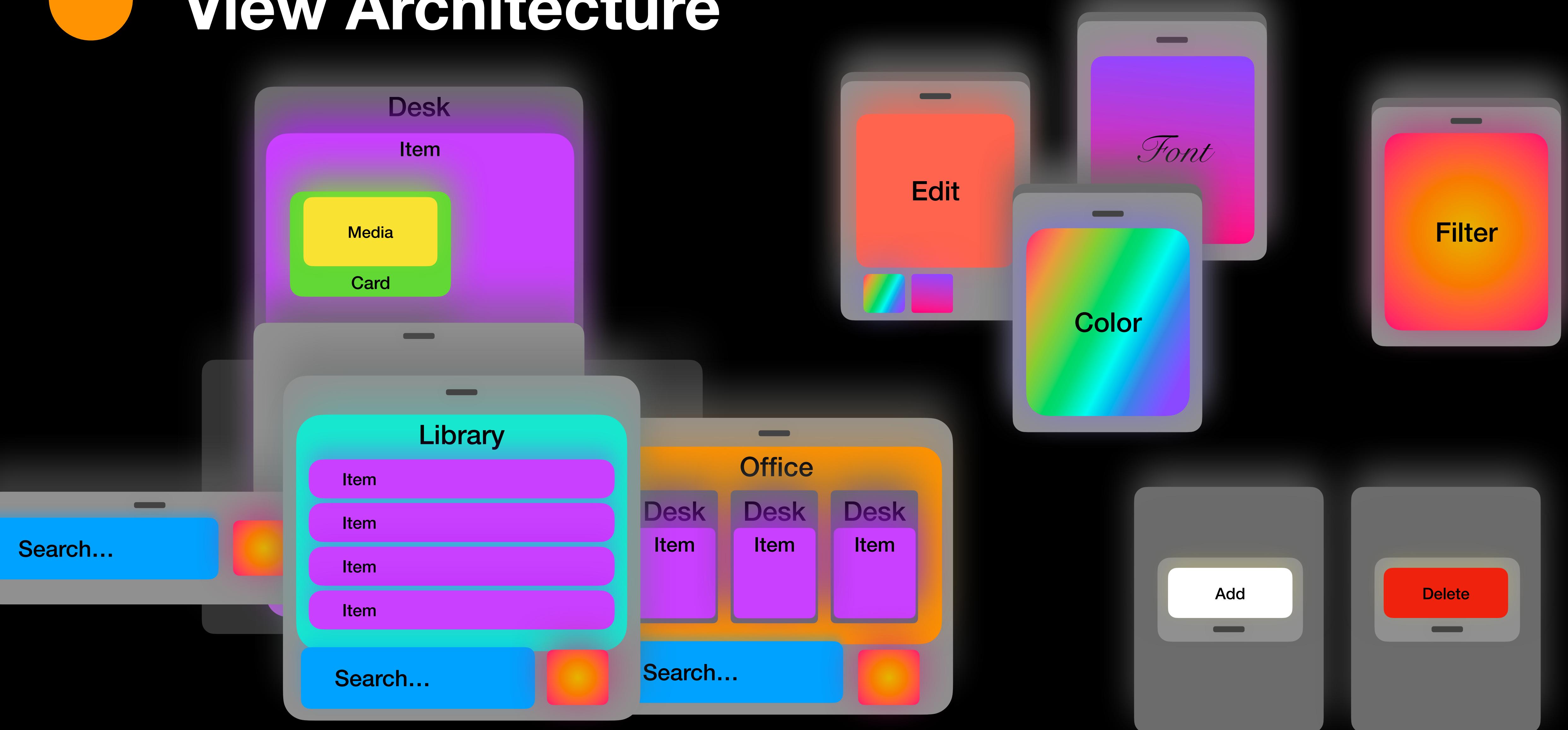


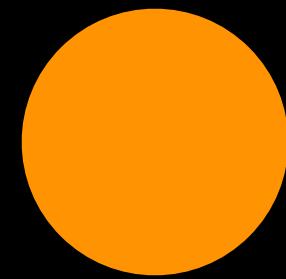
MVP: View Architecture





View Architecture





View Architecture - Main View



Edit
Card



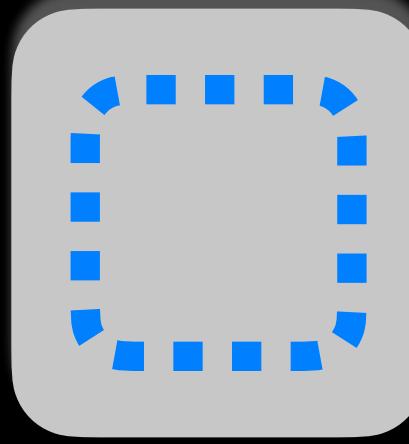
Resize
Card



Move
Card



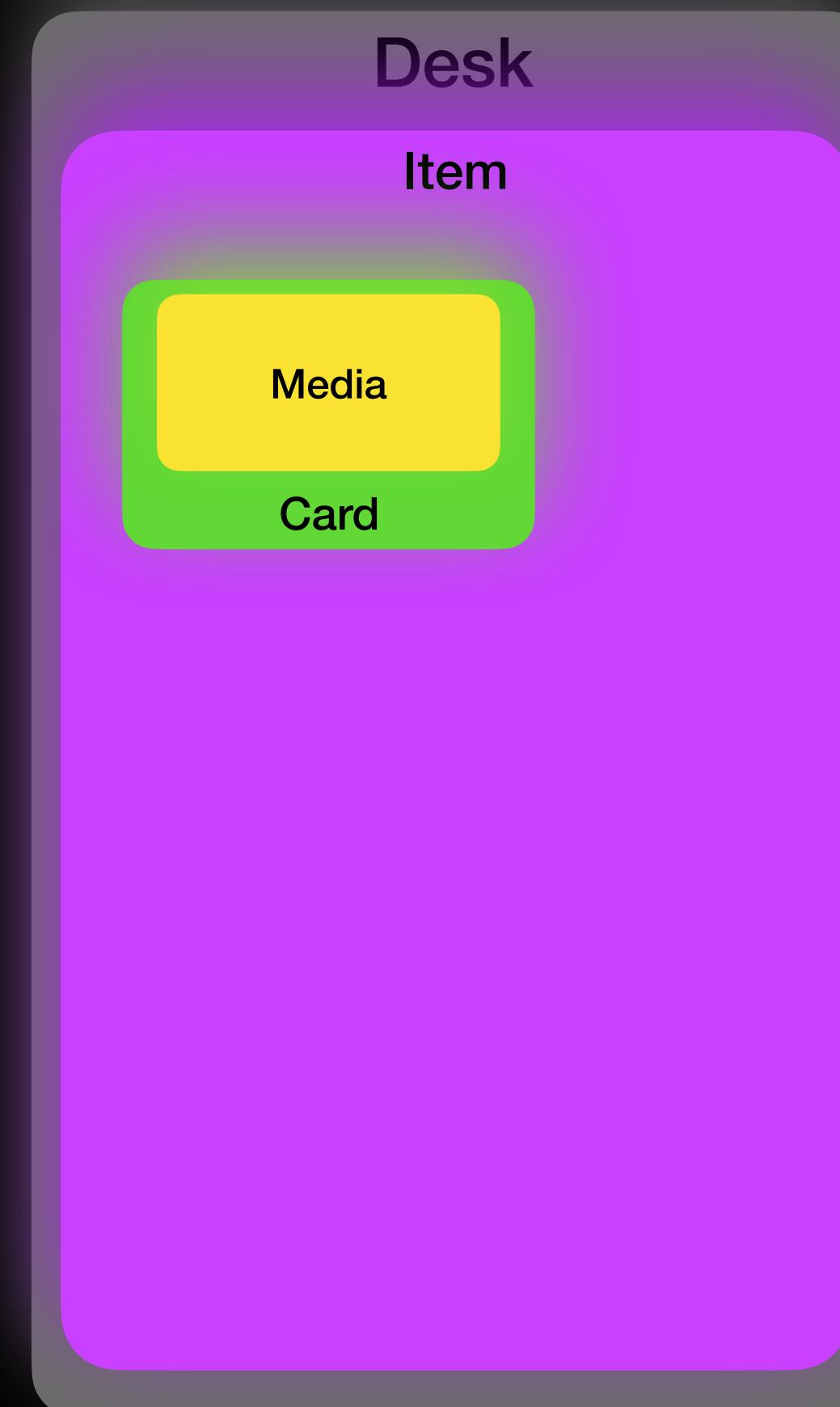
Rotate
Card

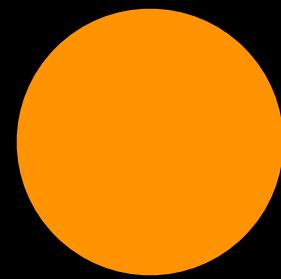


Select
Card



Navigate





View Architecture - Drawer Views



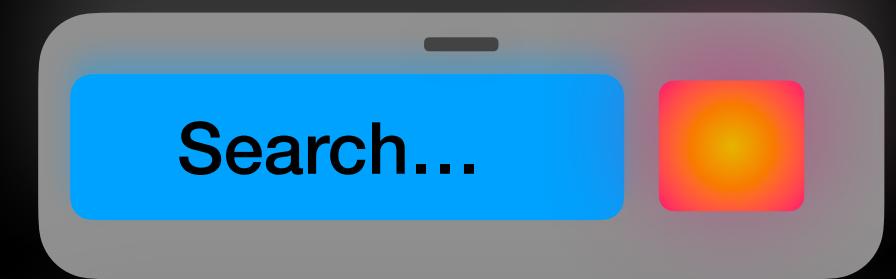
Navigate



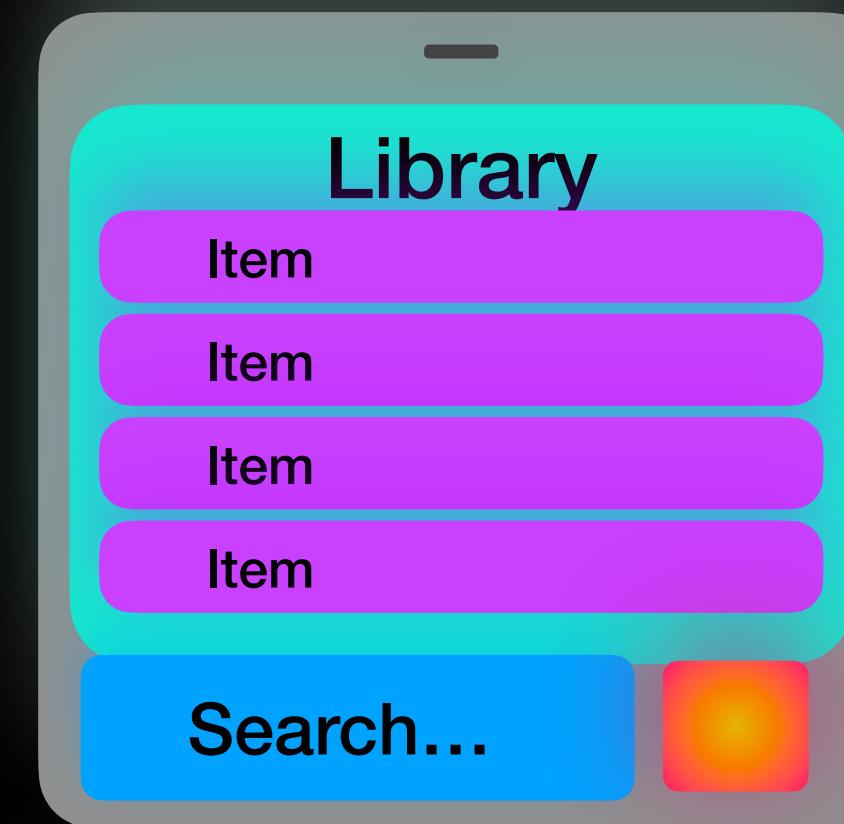
Search



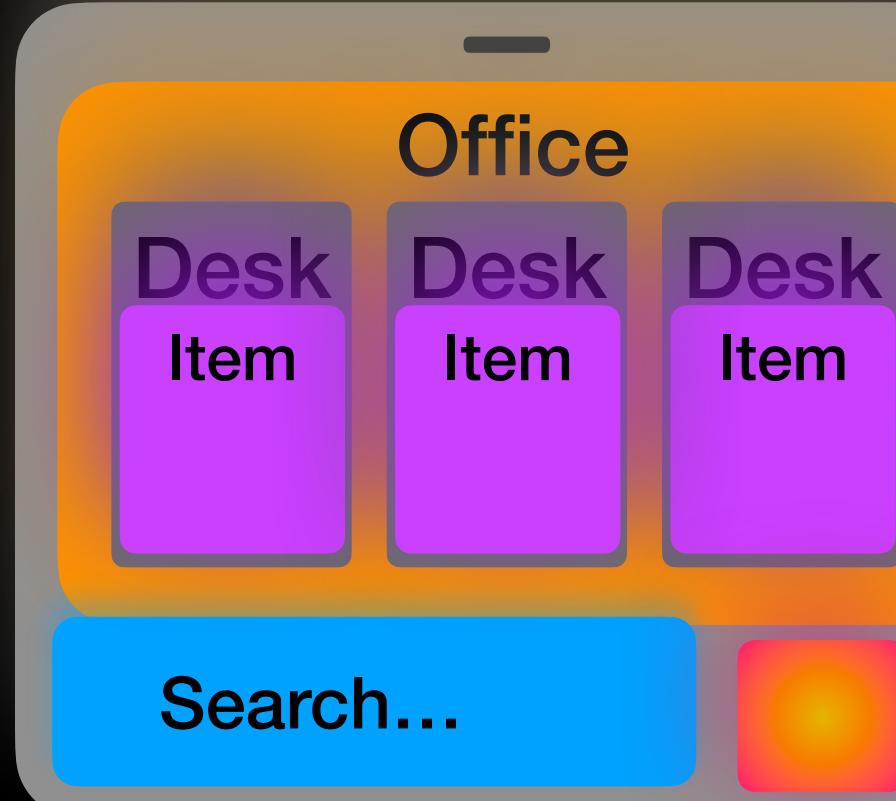
Filter



Search/Filter Desk

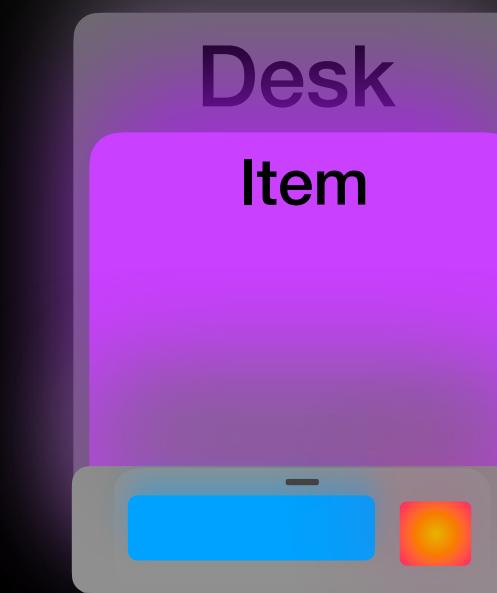


Search/Filter Library



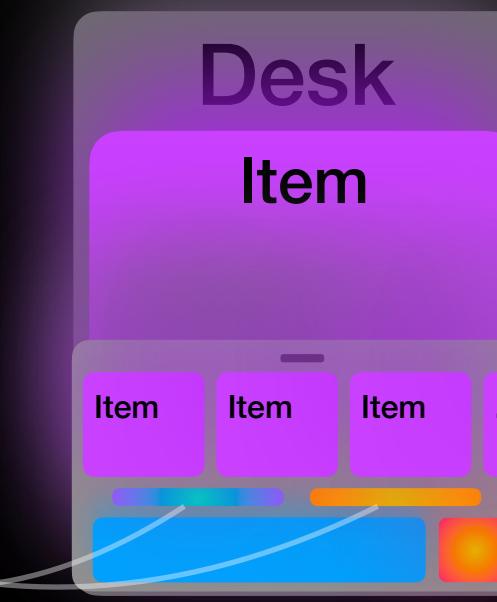
Search/Filter Office

3 Positions:



Compact

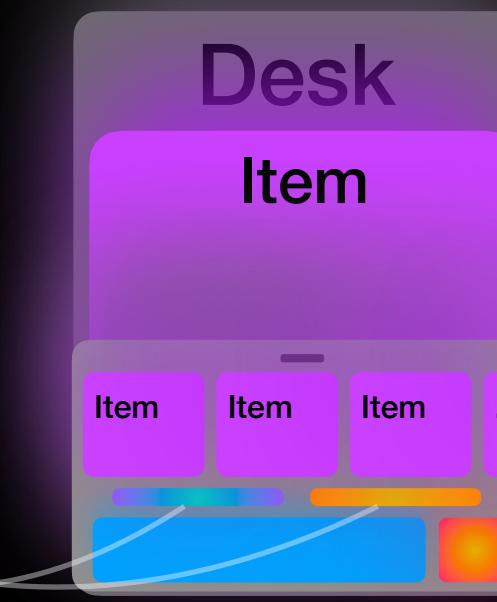
*switch between
library and office tabs*



Regular

*switch between
library and office tabs*

Regular

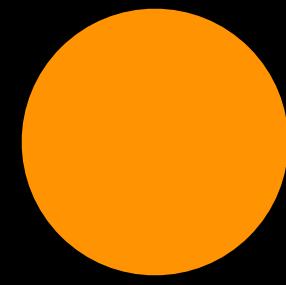


Expanded

search/filter desk

*switch between
different item shapes*

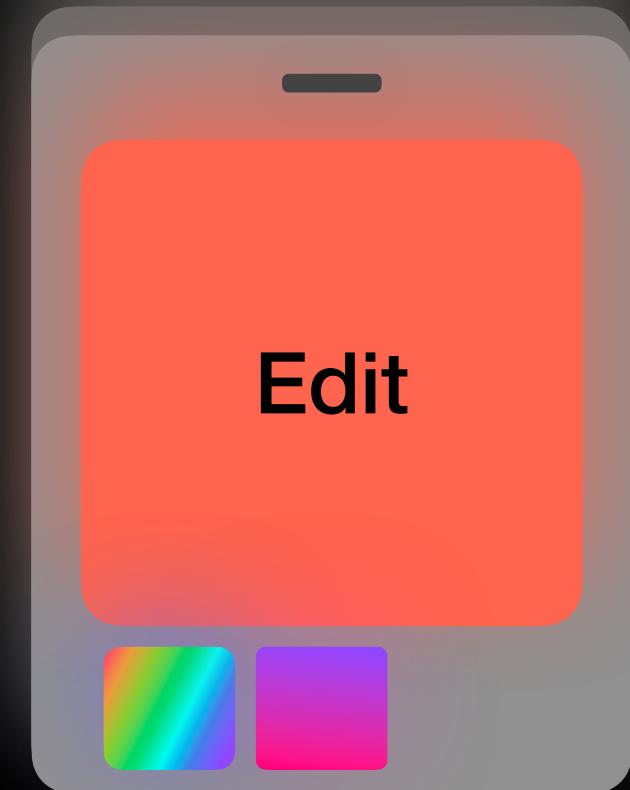
*search/filter
library and office*



View Architecture - Sheet Views



Edit



Edit



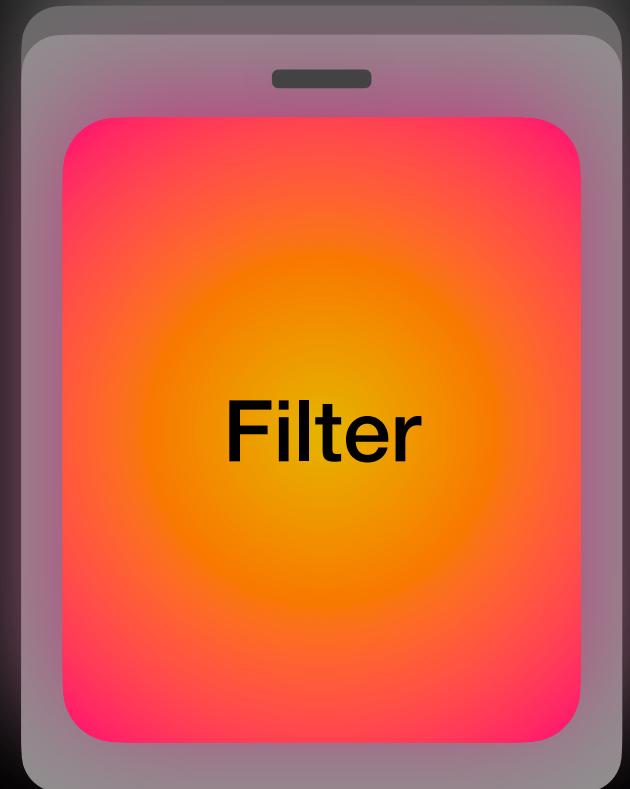
Color



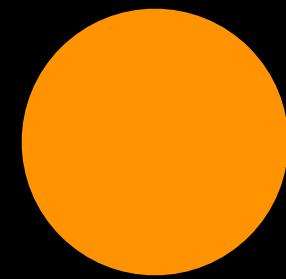
Font



Filter



Filter

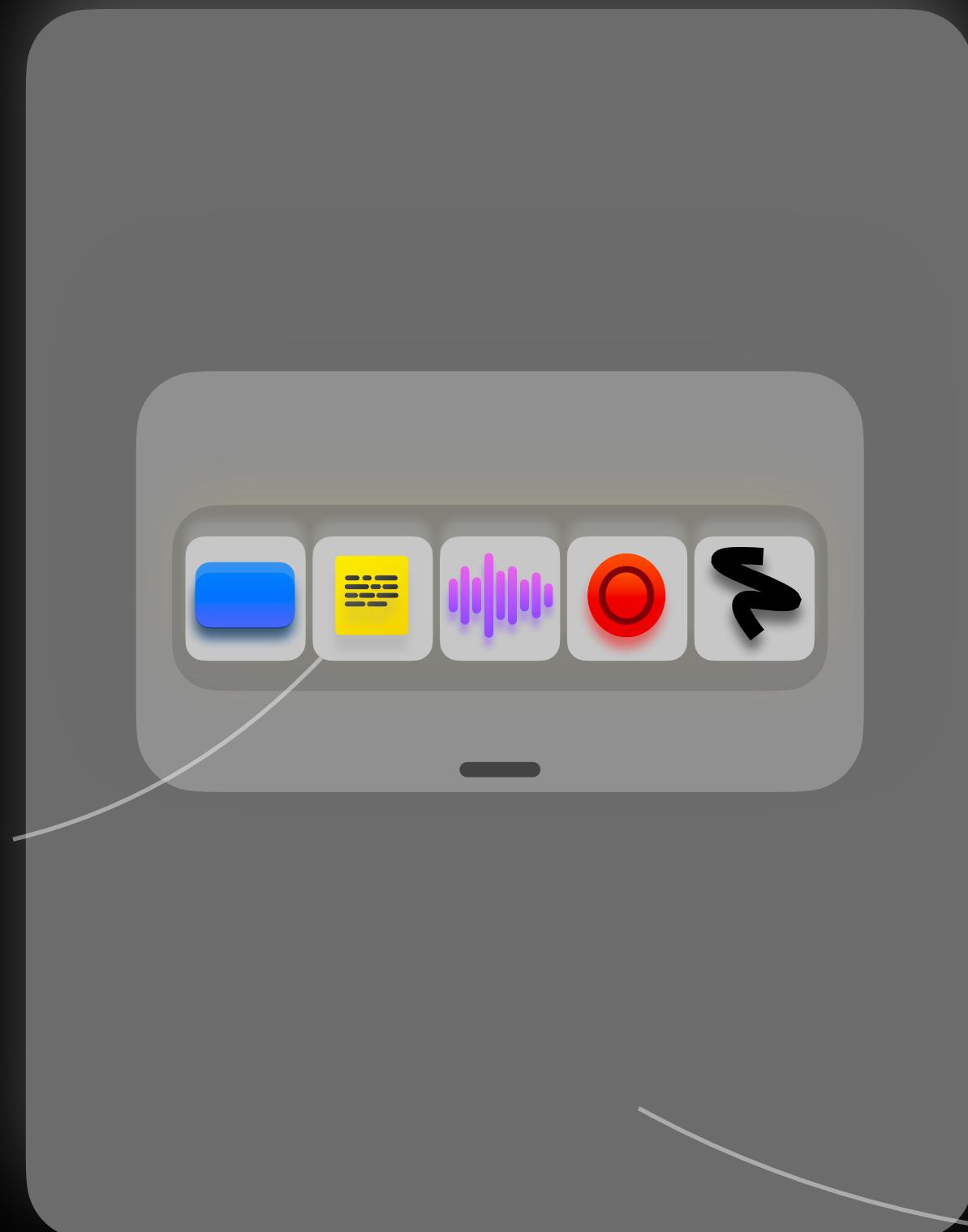


View Architecture - Dialog View



Add
Item

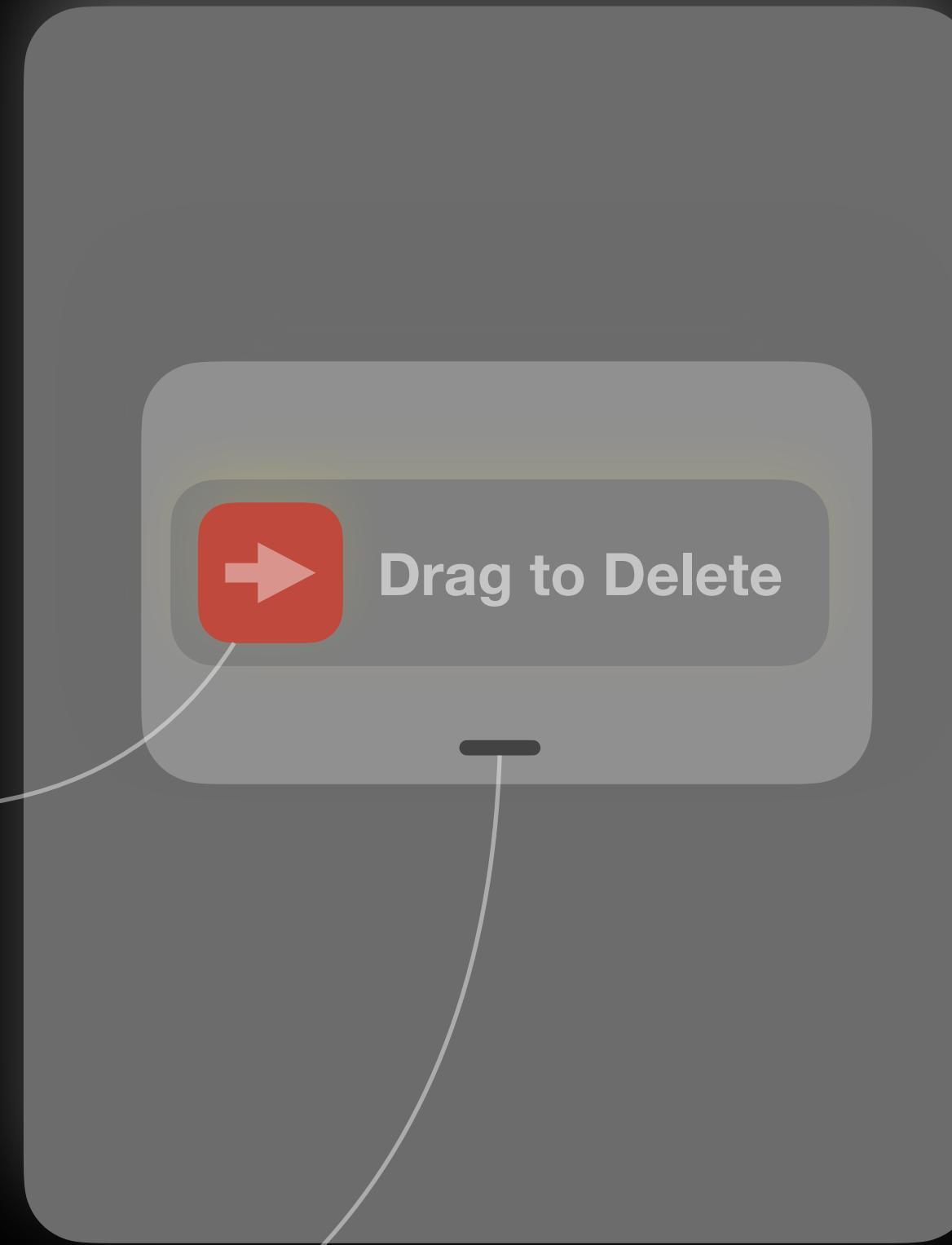
Select media icon
to confirm add



Delete
Item

Drag arrow handle across
dialog to confirm delete

Tap outside dialog
to dismiss



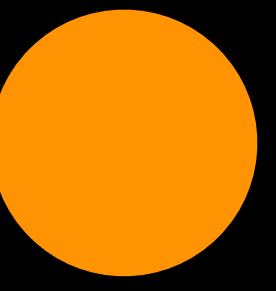
Swipe up or down
to dismiss



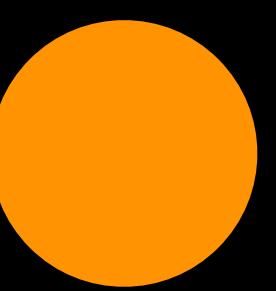
Data – Model



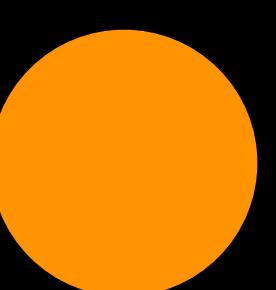
Data – State



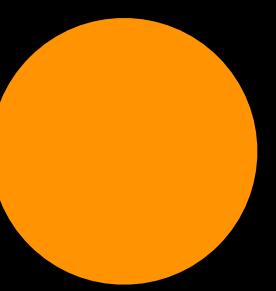
Data – Cache



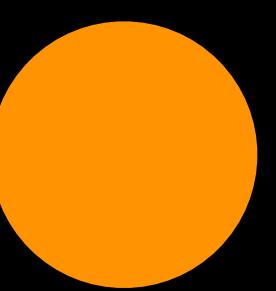
Interaction – Navigation



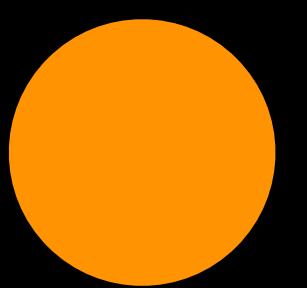
Interaction – Share



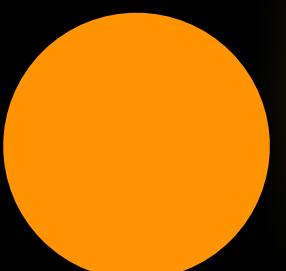
Interaction – Searching/Filtering



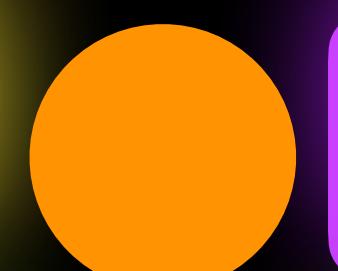
Interaction – Card



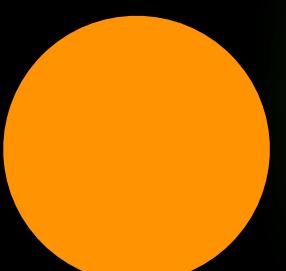
Views



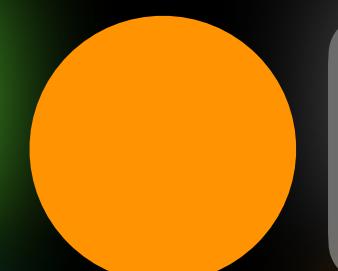
Media



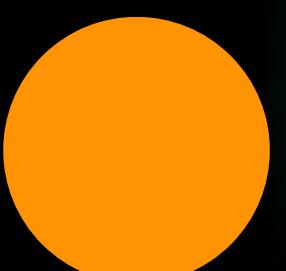
Item



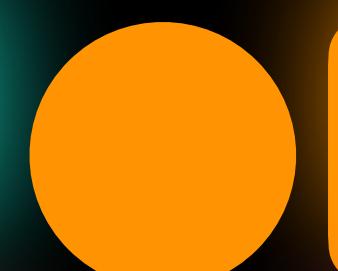
Card



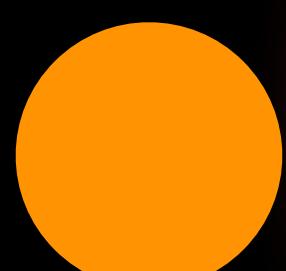
Desk



Library



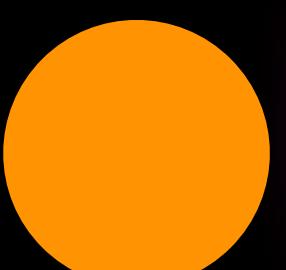
Office



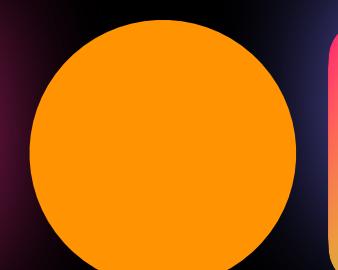
Edit



Font



Filter



Color

