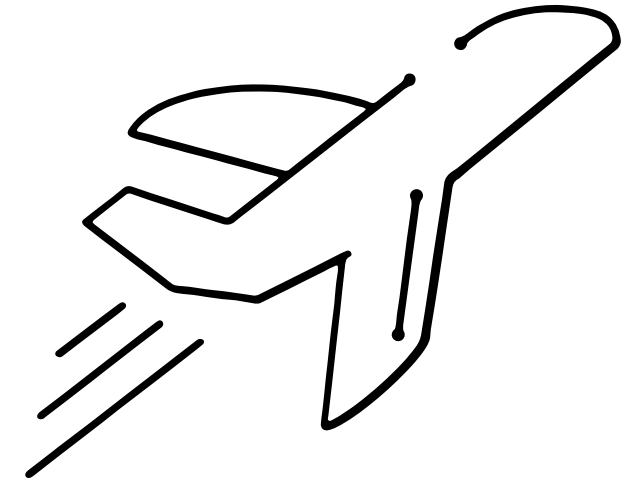


Midnight Masterminds



# LOW-FIDELITY PROTOTYPES

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FLIGHT TICKETS HELPER



<https://docs.google.com/document/d/1njwEPaXVy2aYxdYZjIHRm8ZcM-e0HongCrN4D0UmLz0/edit>

3/

# USER NEEDS



- To check tickets for flights that are within their specified price range and their availability.
- To get notifications for such flights when their price falls in the the specified range
- To save the flights they're interested in / Previously travelled with into collections
- To apply the users filters to these collections

# WHY EXISTING SOLUTIONS DON'T WORK



- Users have to re-enter search criteria each time
- Users can't temporarily save the flights they're interested in collections
- Email notifications sent to users may be ignored (plan to change to the voice notification like alarm clock, but user are allowed to turn on/off)
- User cannot apply the filter to a collection of tickets

3/

# TASKS

---



Task 1: Michael is an international student, he wants to

- **book a flight ticket from his hometown -- Beijing, to the location of his university -- Champaign.**
- Take the flight on **August 20th** which is his university's school day and
- due to the limited budget and lots of luggage he needs to take back to school, he wants to buy the ticket which could **take 3 bags within 300 dollars.**

# Different layout for One-way trip and Round trip

Search for Flights

From

To

Date

Oct, 14

One-Way

Airline

Travelers

1

Autofill from filter

My Trip to New York

Christmas Trip

Hawaii Vacation

Search for Flights

From

To

Date

Oct, 14

Oct, 18

Round Trip

Airline

Travelers

1

Autofill from filter

My Trip to New York

Christmas Trip

Hawaii Vacation

Search for Flights ⋮

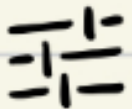
From  To

Date

From  To

Date

• Multi-City ▼ Airline

• Travelers  

Autofill from filter


≡

My Trip to New York

Christmas Trip

Hawaii Vacation

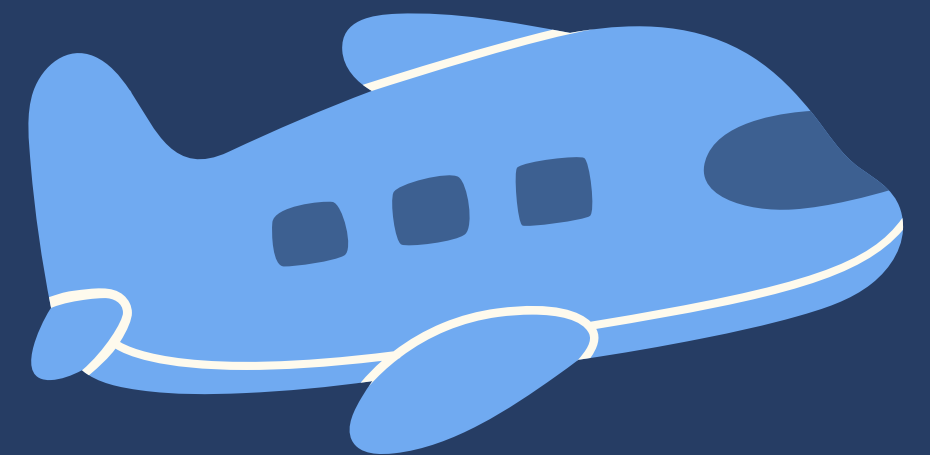








Layout for multi city search

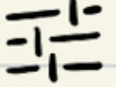


# Date picker

Search for Flights ⋮

From  To

Date

- One-Way ▼ Airline
- Travelers  





Autofill from filter

≡

My Trip to New York

Christmas Trip


Hawaii Vacation



Search for Flights ⋮

From  To

Date

- One-Way ▼ Airline
- Travelers  





Autofill from filter

≡

My Trip to New York

Christmas Trip

Hawaii Vacation



Search for Flights ⋮

From  To

Date

SELECT DATE

Mon, Oct 19

October 2022 ▼ < >

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Cancel OK





# Advanced search options

### Search for Flights

From

To

Date

From

To

Date

Multi-City

Airline

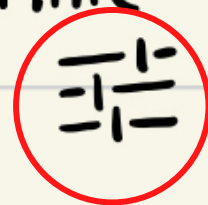
Travelers

Autofill from filter

My Trip to New York

Christmas Trip

Hawaii Vacation



### Advanced Filters

Stops

☒ 0 ☐ 1 ☐ 2 ☐ ≥3

Bags

☒ 0 ☐ 1 ☐ 2 ☐ ≥3

Price

-

Duration

Adults

Children

Infants



# Autofill with the pre-saved filters

Search for Flights ⋮

From  To

Date  ▼

From  To

Date  ▼

• Multi-City ▼ Airline

• Travelers  ⌵

Autofill from filter

≡

My Trip to New York
Christmas Trip
Hawaii Vacation

🔍 📅 🗑️ 👤

Search for Flights ⋮

From  To

Date  ▼

From  To

Date  ▼

• Multi-City ▼ Airline

• Travelers  ⌵

Autofill from filter

≡

✓ My Trip to New York
Christmas Trip
Hawaii Vacation

🔍 📅 🗑️ 👤

Search for Flights ⋮

From  To

Date  ▼  ▼

• Round Trip ▼ Airline

• Travelers  ⌵

Autofill from filter

≡

My Trip to New York
Christmas Trip
Hawaii Vacation

🔍 📅 🗑️ 👤

Search for Flights ⋮

From  To

Date

From  To

Date

• Multi-City ▼ Airline

• Travelers  

Autofill from filter

≡

My Trip to New York
Christmas Trip
Hawaii Vacation

How to configure these  
pre-saved filters?

We'll go through it later

3/

# TASKS

---






Task 2: Lily is a travel lover, she wants to **travel to New York** during this winter vacation. Therefore, she wants to plan the flights of this trip in advanced. In order to get the best experience of the trip, Lily wants to compare different tickets and then choose the best plan.




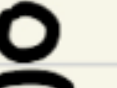
# Add single flight to targeted collection

From  To


☒ Round Trip ☐ Airline

▼ Advanced Options

2:44pm CMI	→ JFK	9:30pm AA \$427	
3:10pm CMI	→ JFK	10pm UA \$531	
4:40pm CMI	→ JFK	10:30pm UA \$378	

Choose Collection



Add a New Collection




Note: We'll try to give "collection" a better name later to avoid confusion, something like "Alternative Flights Keeper"




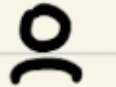
# Add single flight to targeted collection

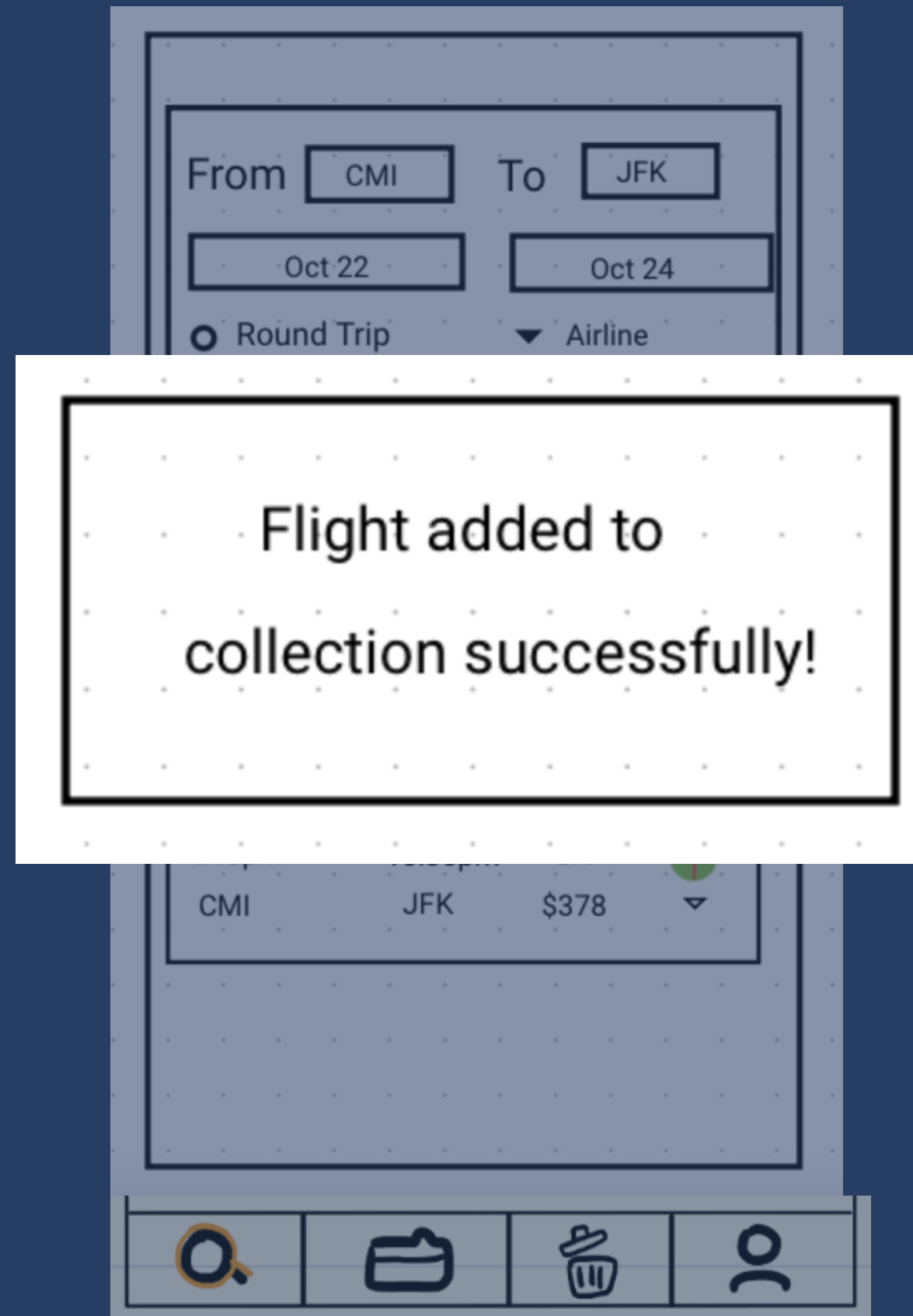
From  To

☒ Round Trip ☐ One Way

▼ Advanced Options

2:44pm CMI	→ JFK	9:30pm AA \$427	
3:10pm CMI	→ JFK	10pm UA \$531	
4:40pm CMI	→ JFK	10:30pm UA \$378	



# Navigate to My Collections

From

To

☒ Round Trip

☐ One Way

▼ Airline


▼ Advanced Options

2:44pm → 9:30pm

CMI → JFK

AA

\$427




▼

3:10pm → 10pm

CMI → JFK

UA

\$531




▼

4:40pm → 10:30pm


CMI → JFK


UA


\$378

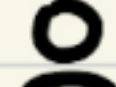


▼













My Collection

Trip to New York 

Christmas Trip 

Hawaii Vacation 

.....



Add A New Collection



## Add a New Collection

My Collection

Trip to New York

Christmas Trip

Hawaii Vacation

.....

Add A New Collection

Add New Collection

Name

Confirm



## My Collection

Trip to New York

Christmas Trip

Hawaii Vacation

.....



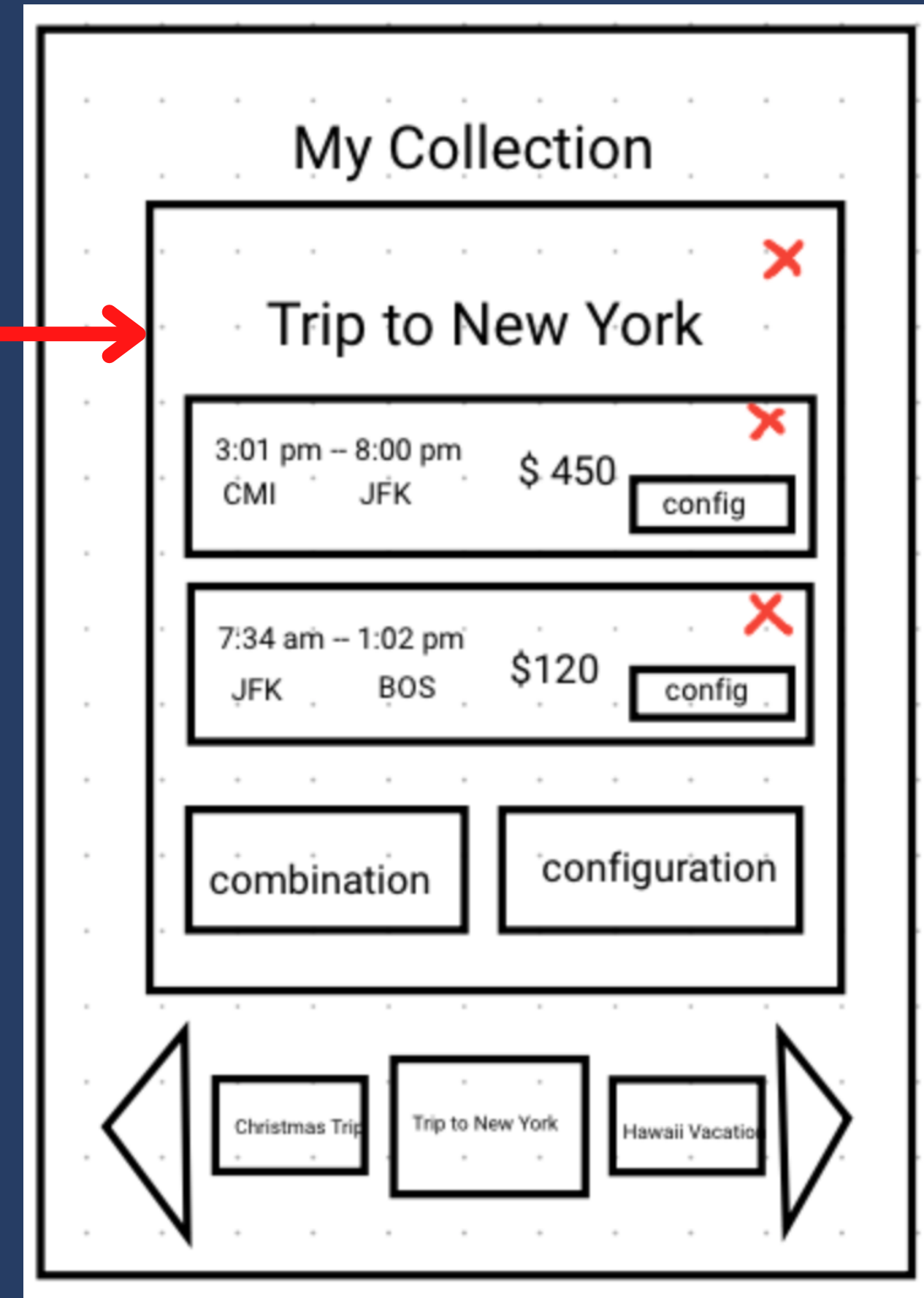
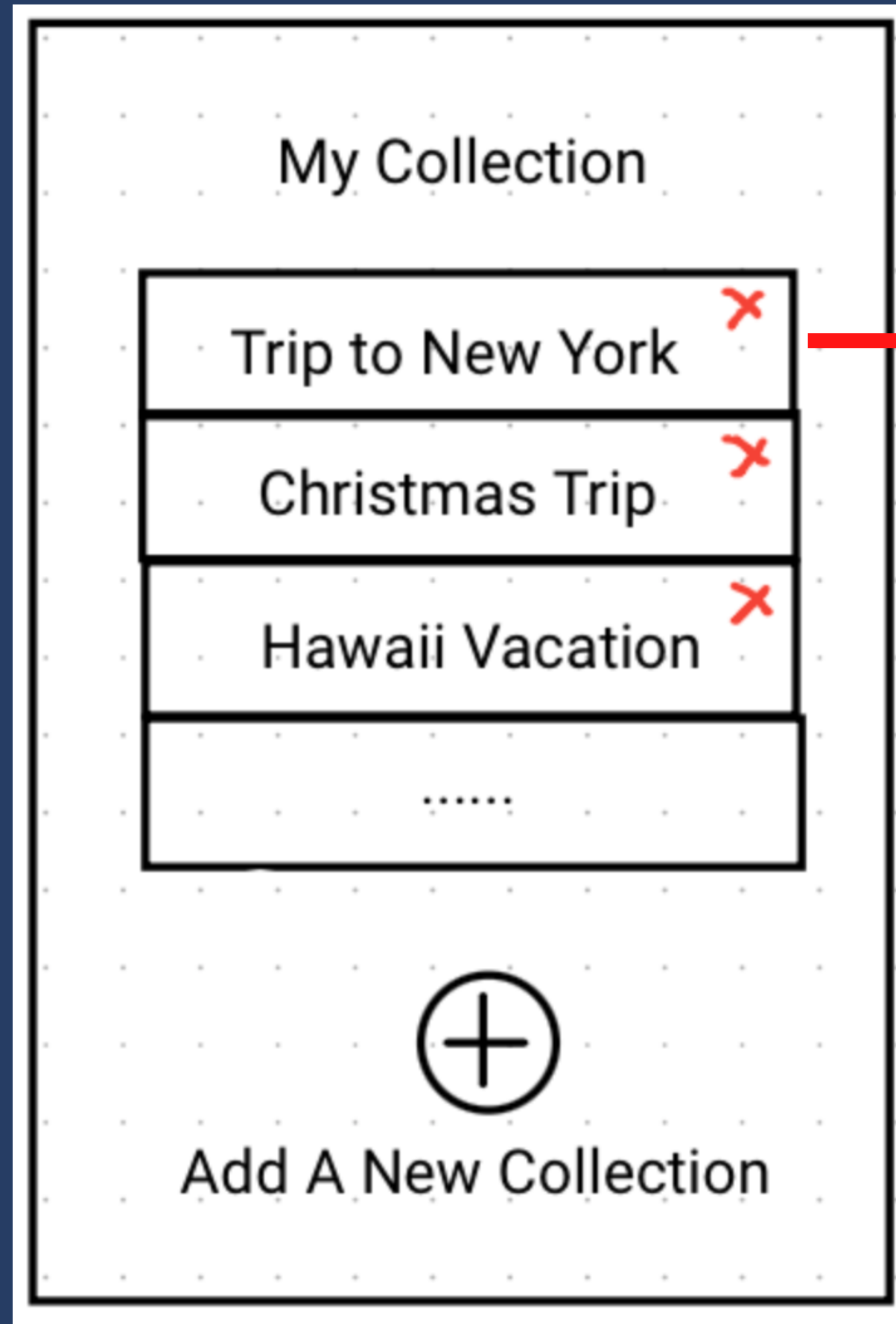
Add A New Collection

## Add New Collection

Name

You Create xxx Collection!

# View an Existing Collection



My Collection

Trip to New York

3:01 pm -- 8:00 pm

CMI   JFK

\$ 450

config

7:34 am -- 1:02 pm

JFK   BOS

\$120

config

combination

configuration

◀

Christmas Trip

Trip to New York

Hawaii Vacation

▶

Click to switch between  
existing collections

# Configure the pre-saved filter

### My Collection

#### Trip to New York

3:01 pm -- 8:00 pm  
CMI    JFK    \$ 450

7:34 am -- 1:02 pm  
JFK    BOS    \$120

From

To

—

Price Range

# More fields to be configured

My Collection

Trip to New York

3:01 pm -- 8:00 pm  
CMI JFK \$ 450

7:34 am -- 1:02 pm  
JFK BOS \$120

combination configuration

Christmas Trip Trip to New York Hawaii V

From

To

Price Range

Advanced Option

confirm

Advanced Filters

Stops 0 1 2 3

Bags 0 1 2 3

Price -

Duration

Adults - 1 +

Children - 0 +

Infants - 0 +

# Configure notification options for single flight

My Collection

Trip to New York

3:01 pm -- 8:00 pm  
CMI JFK \$ 450 config

7:34 am -- 1:02 pm  
JFK BOS \$120 config

combination configuration

Christmas Trip Trip to New York Hawaii Vacation

Expected Price

-

Alarm ☒

Email ☒

confirm

3/

# TASKS

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Task 3: Kevin is a businessman, he will go from **Boston to New York** to attend a meeting, and **then go to Seattle** to meet with customers. In order to ensure the continuity of the trip, he must **book two tickets at the same time**. There are several potential tickets he could buy for the two trips. He hopes to receive information in time when the total price of the tickets for the two trips is **less than 1000 dollars** which can be reimbursed by the company.



# Plan for multi-flight trip

My Collection

Trip to New York

3:01 pm -- 8:00 pm  
CMI JFK \$ 450 config

7:34 am -- 1:02 pm  
JFK BOS \$120 config

combination configuration

Christmas Trip Trip to New York Hawaii Vacation

Combination  
(Trip to New York)

Plan A

Plan B

+  
Add A New Combination

Note: We'll also give  
"combination" a  
better name later,  
something like "multi  
flight planner"

# Add a New Combination

Combination

(Trip to New York)

Plan A

Plan B

Add A New Combination

Add New Combination

Name

Collection

Confirm

## Combination

(Trip to New York)

Plan A

Plan B



Add A New Combination

## Add New Combination

Name

Collection

You Create xxx Combination!

# View an existing combination

✕

Combination

(Trip to New York)

Plan A ✕

Plan B ✕

+

Add A New Combination

✕

Plan A

✕

3:01 pm – 8:00 pm  
CMI JFK \$450

✕

7:34 am – 1:02 pm  
JFK BOS \$120

+

Add More Flights

Total Price  –

Alarm ☒ Email ☒

Notes

Plan A

3:01 pm – 8:00 pm  
CMI    JFK    \$450

7:34 am – 1:02 pm  
JFK    BOS    \$120

+

Add More Flights

Total Price  –

Alarm ☒ Email ☒

Notes

View flights in the combination

Set desired total price

Set alarm

Add note

Add flight to combination

Plan A

3:01 pm -- 8:00 pm  
CMI      JFK      \$450

7:34 am -- 1:02 pm  
JFK      BOS      \$120

+

Add More Flights

Total Price  -

Alarm ☒ Email ☒

Notes

Add Flights

7:34 am -- 1:02 pm  
CMI      JFK      \$ 470

9:00 am -- 10:30 am  
JFK      BOS      \$120

## Plan A

3:01 pm -- 8:00 pm

CMI

JFK

\$450

7:34 am -- 1:02 pm

JFK

BOS

\$120



Add More Flights

Total Price

—

Alarm



Email



Notes

## Add Flights

7:34 am -- 1:02 pm

Add Flight Successful!



# Error prevention for deleting combination

Combination

(Trip to New York)

Plan A

Plan B

Add A New Combination

Plan A

3:01 pm – 8:00 pm  
CMI JFK \$450

7:34 am – 1:02 pm

Delete Combination xxx?

YesNo

AlarmEmail

Notes

# Error prevention for removing flight from combination

Plan A

3:01 pm – 8:00 pm  
CMI JFK \$450

7:34 am – 1:02 pm  
JFK BOS \$120

+ Add More Flights

Total Price  –

Alarm ☒ Email ☒

Notes

Plan A

3:01 pm – 8:00 pm  
CMI JFK \$450

7:34 am – 1:02 pm  
JFK BOS \$120

+ Add More Flights

Total Price  –

Alarm ☒ Email ☒

Notes

Delete This Flight From Combination xxx?

Yes No

Search for Flights

From  To

Date

From  To

Date

• Multi-City ▼ Airline

• Travelers

Autofill from filter

My Trip to New York

Christmas Trip

Hawaii Vacation

Search, Home, Trash, Profile

# Error Recovery

Trash

Champaign To LA undo

UIUC Trip undo

Happy Travel undo

Attention: The trash will be emptied every month

# THANK YOU

