# **KEY PROJECTS**



# Flight Status redesign Responsive web





# **Volunteer Solicitation**Omnichannel

UX VD R



### Self bag drop Kiosk

UX VD R



# Boarding pass redesign Mobile app

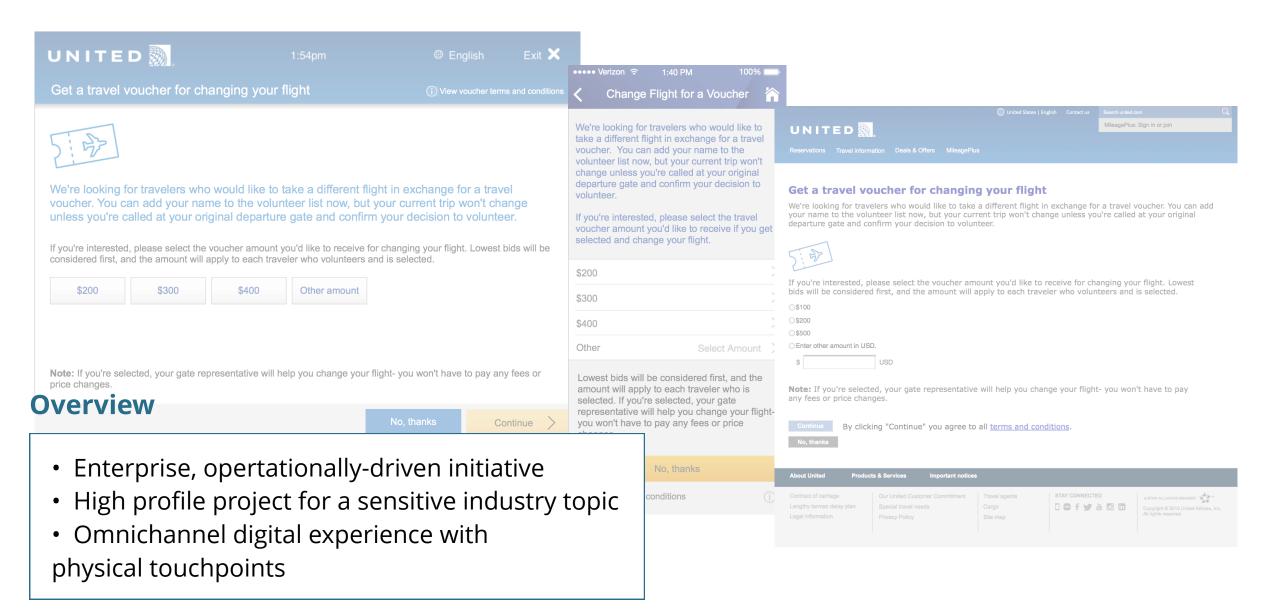
UX VD R



# Volunteer Solicitation

Omnichannel experience

An enterprise initiative to allow self-service reaccommodation for oversold flights





#### Get a travel voucher for changing your flight

We're looking for travelers who would like to take a different flight in exchange for a travel voucher. You can add your name to the volunteer list now, but your current trip won't change unless you're called at your original departure gate and confirm your decision to volunteer.



If you're interested, please select the voucher amount you'd like to receive for changing your flight. Lowest bids will be considered first, and the amount will apply to each traveler who volunteers and is selected.

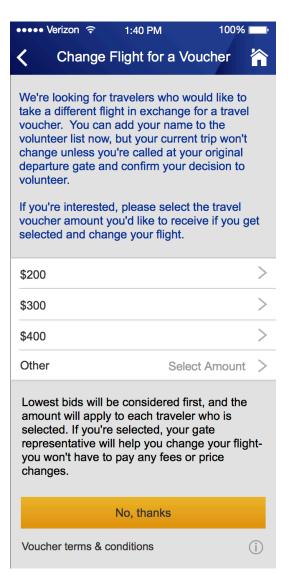
\$100 \$200 \$500 Enter other amount in USD.

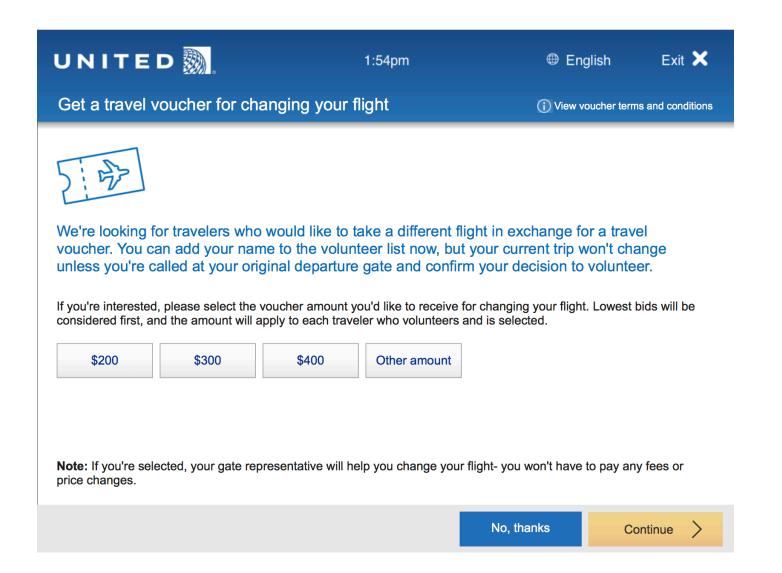
**Note:** If you're selected, your gate representative will help you change your flight- you won't have to pay any fees or price changes.

By clicking "Continue" you agree to all terms and conditions.

No. thanks







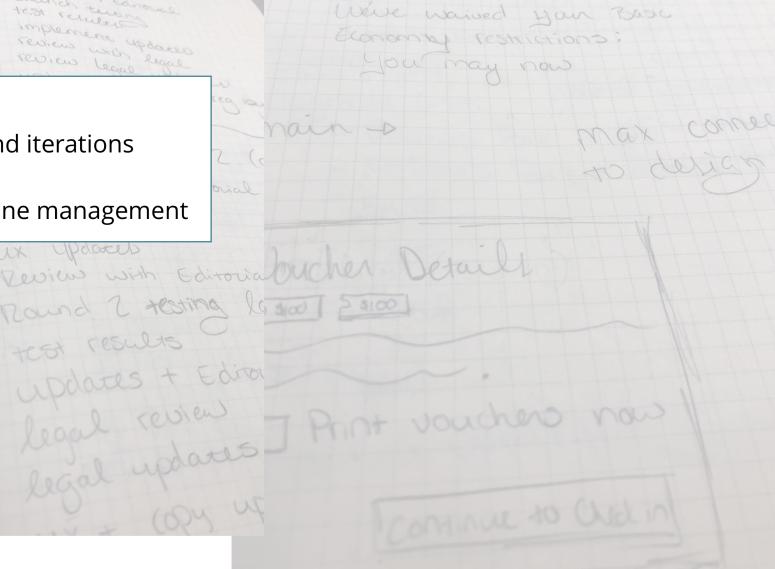
#### **Process**

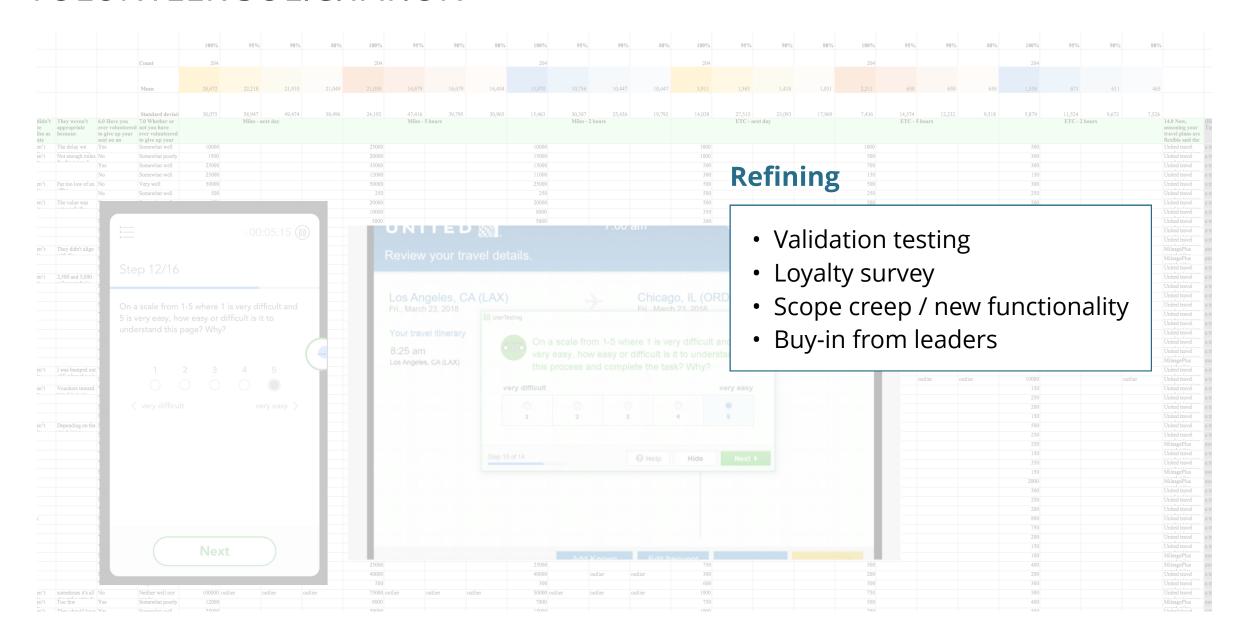
2	1a	m	28 Finds fee-waived "convenient" Did not notice volunteer section at the bottom; missec "or" Appreciates "Get there earlier" 33 Wondering if he can see his current flight details Thinks information makes sens and understands he could put more details on future screens in the flow "Seems straightforward to me"	е	volunteering 3 /15; does not like the lidea of "hanging out at the airport"  3/5; feels he typically wants his original flight but it could be nice to also get a voucher sometimes	5/5; "If I scheduled a flight at this time, it probably	Which choice  Change flight for free  Volunteer; no prior committments = would be nice to get a voucher to make the flight "basically free"	Impression	note and discusses with you that just because you're on a volunteer list that it doesn' mean it's officialthey have	volunteered" t "It's all straight forward.	screen	Felt everything was clear / straight-forward		impl • Ga	ementing updates thering / influenc
3			Earliest option seems to be more enticing						to confirm it with you." Feels anything over 6 hours is extreme If leisure trip, would be interested / continue	these alternativesit even says 'Here's what to do next' and it makes sure I confirm I'm on the volunteer list but I have my same flight unless otherwise."					irements chitecting flow acr
4	3a	f	28 Would never volunteer, but liker the option and feels it would lee to "less overcrowding".  Wants to know her current flight details	of getting there sooner			S Change flight for free; wants to get the airport "over as soon as possible"	3	Wondering if she can split from her spouse. Confused by "voucher amour!" Volunteering while traveling with her spouse "Seems like a hot mess". Understood after she clicker "Select amount". Wot sure of "voucher system": when does she pet it? only when the flight changes? feels bidding system is confusing				Overall confusion around vouchers - wants details of how they work	opportunity, but still appreciates it	identifying the free change as a more appealing offer
5	Volunteer // specific	m	49 Understands volunteer part is due to overbooking Thinks options are great; has volunteered in the past Appreciates seeing options at a glance but being able to see more details		5 2/5; does not feel as comfortable opting in on the app as he would doing it in person	4/	5 No thanks; nervous he would risk being inconvenienced if he volunteered		Not comfortable selecting his own prices (referencing selecting a voucher amount); unclear of if he's being "bumped to multiple of the 3 flights shown??  Does not understand why he would enter different prices for each flight option.	Feels it is clear		understands what to do next and that he's still confirmed on his original		4 5; "convenient to be able to do it on my phone. Other defails can be hammered out later at the desk lif I do want to give up my seat, was nice to take care of it on my phone."	On a scale from 1-5 where 1 is very difficult and 5 is very easy, how easy or difficult is it to understand this page? Why?
6	5a	f	23 "I like these options! didn't know this was something that was possible."  Initial confusion about how volunteering works- but understands she can learn mon	е	3	4	Change flight for free; does not wan to volunteer because it's not certain she would get home when she wants to - "seems more like a gamble"	a a	Once she learned more, she was very interested; originally did not realize she would get both a flight home and a voucher - "sounds too good to be true"	"this is just in case"		Expects to be checked in		5 5	<pre>     very difficult    very easy &gt; </pre>
7	6a	f	28 Nice to have 3 options "The fact that it's free definitely makes it an easier decision" "You don't have anything to lose by making a change to your original ticket"		5 1: does not feel it's necessary because she found an option she liked to change for free		Change flight for free		Understands her trip word: change unless confirmed by gate agent. "That's great hat it lets me know up front that it word have any impact on me unless a volunteer scenario arises." "If a volunteer scenario arises." "If a volunteer scenario arises." "If a volunteer "The volu	to do next" helpful Feels toggle reinforces that this is a "low risk option" to choose		Understands she would continue check-in Understands if she isn't notified, she can proceed onto her flight	"I feel like I was thoroughly informed of the process to change your flight, as well as the process for adding your name to the volunteer list."  "I was new to these features, but I knew exactly where to click and found everything to be self-explanatory."  "Everything was well-explained."	5 4;" don't feel like I'm putting my travel plans at risk by volunteering. It's low risk."	Next
8	7a	f	42 Described volunteering as "bein reimbursed" so she did not initially understand  Somewhat confused about where she is"where's my information about checking in?"		3	3	3 volunteer		Wondering if it is first come, first serve but also understands it's lowest bids first Would feel more comfortable if the airline	some prototype		Expects to continue checking in		5 5	Ivext

- Testing existing experience and
- cing digital and physical
- cross channels

# **Designing**

- Content-driven experience
- 8 rounds user testing (150+ users) and iterations
- Scaling boilerplate to four channels
- Cross-functional collaboration; timeline management

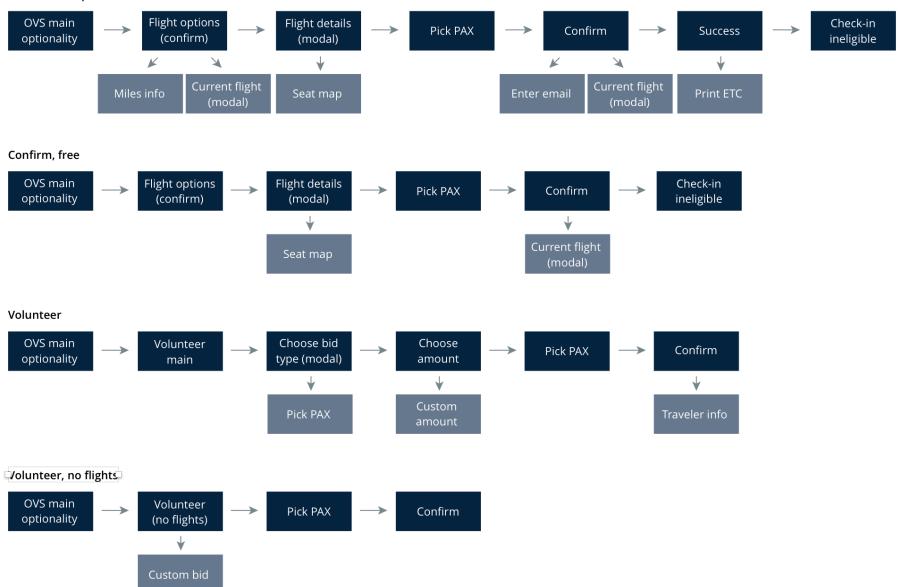




# **VOLUNTEER SOLICITATION Delivering** Hyper-dynamic experience totaling 320+ total comps • 150+ User stories / planning for build Partnering with development teams

#### Kiosk

#### Confirm, compensation





1:54pm

English

X Exit

Review your flight change options





#### Confirm a new flight for compensation

If you want to change your flight, you'll have a confirmed seat and will receive compensation for the amount indicated.

★ Choose between award miles or a travel voucher

Explore flight options

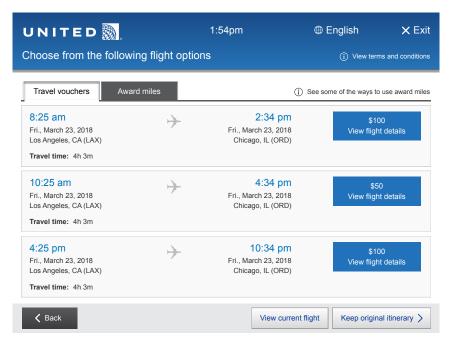


#### Or add your name to a volunteer list

If you want to **choose the compensation amount** you'll receive for changing your flight, you can add your name to a volunteer list and **place a bid on one or more flights.** You can select an amount for a travel voucher or award miles, but your trip won't change unless you're selected at the gate.

Learn more and place a bid

No, thanks



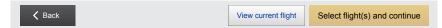


We're looking for travelers who would like to take a different flight in exchange for a travel voucher or award miles. You can add your name to the volunteer list now, but your trip won't change unless you're selected at your gate and confirm your decision to volunteer.

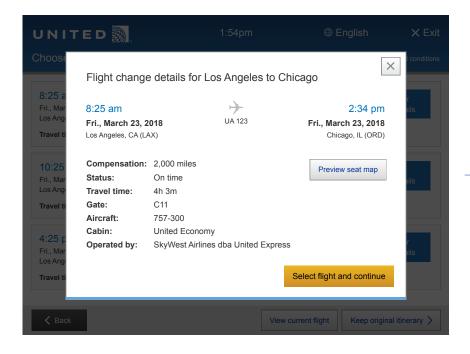
If you're interested, please select your desired compensation type and the amount(s) you'd like to receive for changing your flight. Lowest bids will be considered first and you can bid on one or as many flight options as available.

10:25 am Los Angeles, CA (LAX)	<b>+</b>	4:34 pm Chicago, IL (ORD)	Fri., March 23, 2018	Select bid
1:25 pm Los Angeles, CA (LAX)	<b>+</b>	7:34 pm Chicago, IL (ORD)	Fri., March 23, 2018	Select bid
4:25 pm Los Angeles, CA (LAX)	<b>+</b>	10:34 pm Chicago, IL (ORD)	Fri., March 23, 2018	Select bid

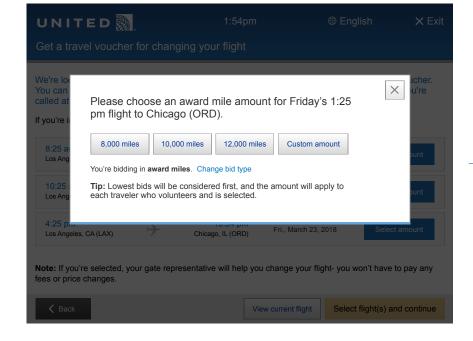
**Note:** If you're selected, your gate representative will help you change your flight — you won't have to pay any fees or price changes.

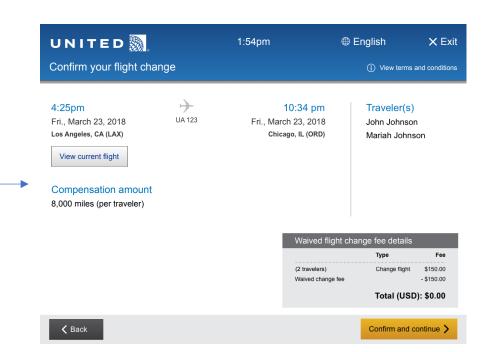


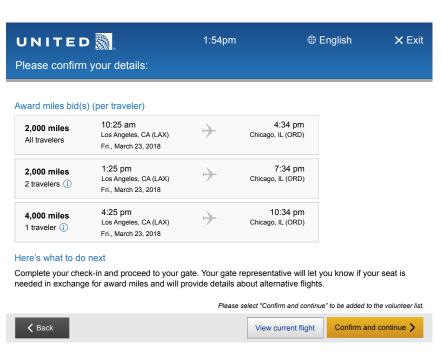
#### Compensation flow

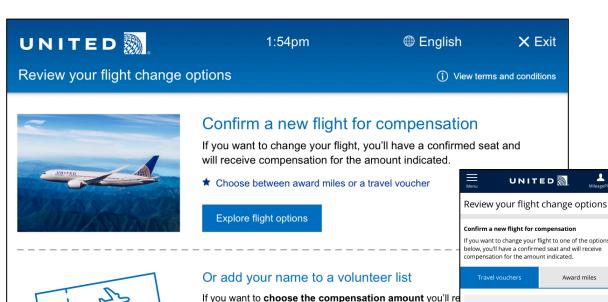


#### Volunteer flow



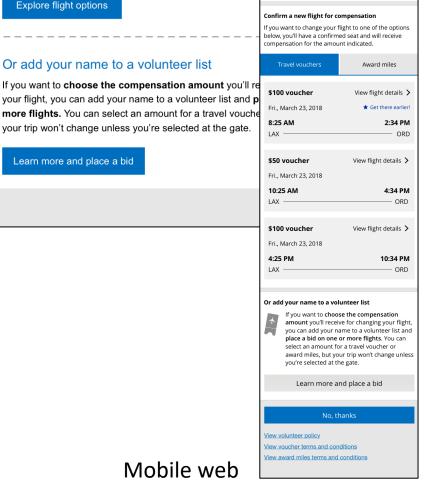






Learn more and place a bid

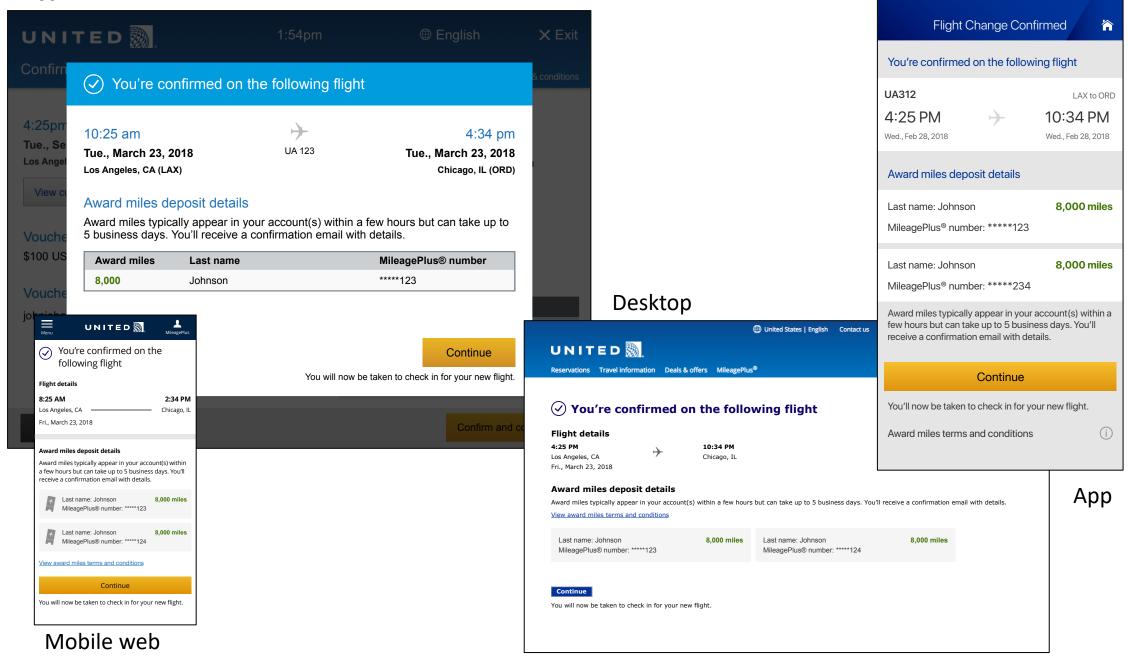




#### App Flight Change Options Confirm a new flight for compensation If you want to change your flight to one of the options below you'll have a confirmed seat and will receive compensation for the amount indicated. Travel vouchers 8:25am 2:34pm Wed., Feb 28, 2018 4:34pm 10:25am Wed., Feb 28, 2018 Desktop 10:34pm 4:25pm Wed., Feb 28, 2018 ⊕ United States | English Contact us UNITED MileagePlus Or add your name to a volunteer list Reservations Travel information Deals & offers MileagePlus® If you want to choose the compensation amount you'll receive for changing your flight. you can add your name to a volunteer list and place a bid on one or more flights. You can select an amount for a travel voucher or award Review your flight change options miles, but your trip won't change unless you're selected at the gate. Confirm a new flight for compensation Learn more and place a bid If you want to change your flight to one of the options below, you'll have a confirmed seat and will receive amount indicated. No, thanks — continue checking in Travel vouchers **Award miles** See what v \$100 voucher # Get there earlier! \$100 voucher \$100 voucher Voucher terms and conditions 8:25 AM 2:34 PM 10:25 AM 4:34 PM 4:25 PM Award miles terms and conditions Los Angeles, CA Los Angeles, CA Chicago, IL Los Angeles, CA Fri., March 23, 2018 Fri., March 23, 2018 Fri., March 23, 2018 View flight details View flight details View flight details Or add your name to a volunteer list If you want to **choose the compensation amount** you'll receive for changing your flight, you can add your name to a volunteer list and place a bid on one or more flights. You can select an amount for a travel voucher or award miles, but your trip won't change unless you're selected at the gate. Learn more and place a bid No, thanks View volunteer policy View voucher terms and conditions View award miles terms and conditions

#### Mobile web

#### Kiosk





# **KEY PROJECTS**



# Flight Status redesign Responsive web





# Volunteer Solicitation Omnichannel

UX VD R



### **Self bag drop** Kiosk

UX VD R



# Boarding pass redesign Mobile app

UX VD R

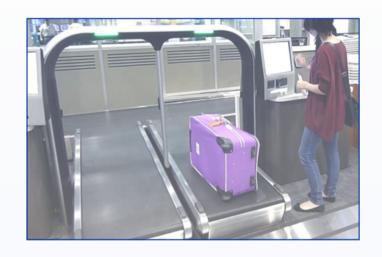


# Self bag drop

Kiosk experience

An innovative kiosk proof of concept that enables customers to have an autonomous lobby experience

# WHAT IS IT?











# WHAT DOES IT DO?









Detects motion and intrusion

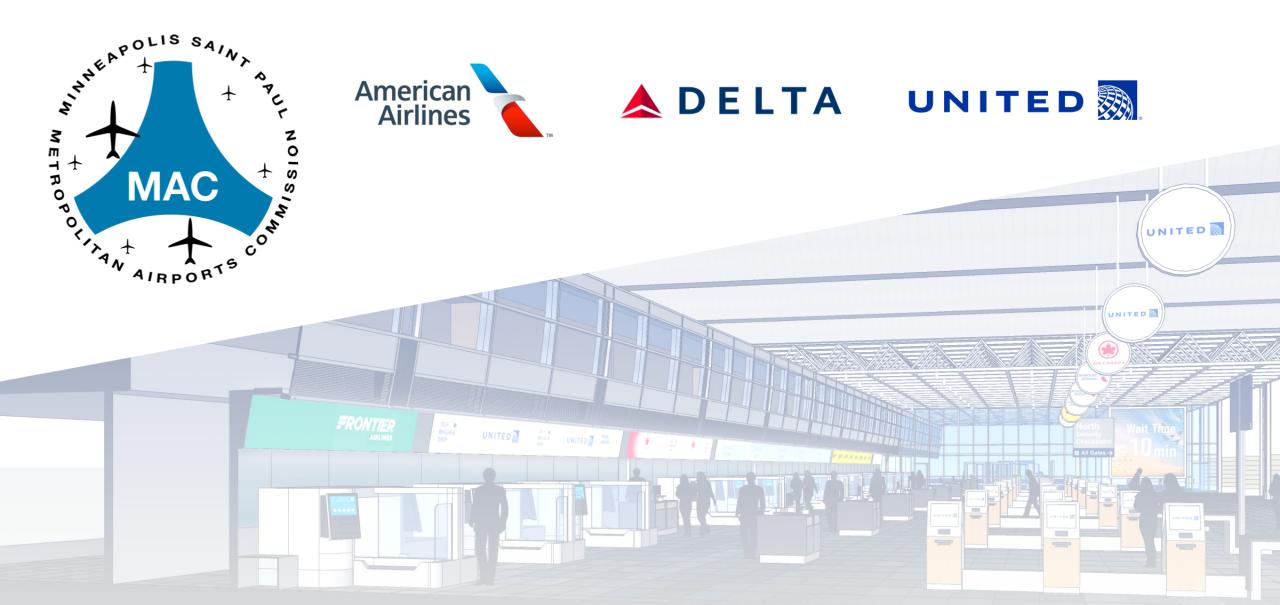


Integrates with main belt

# WHAT'S THE BIG DEAL?

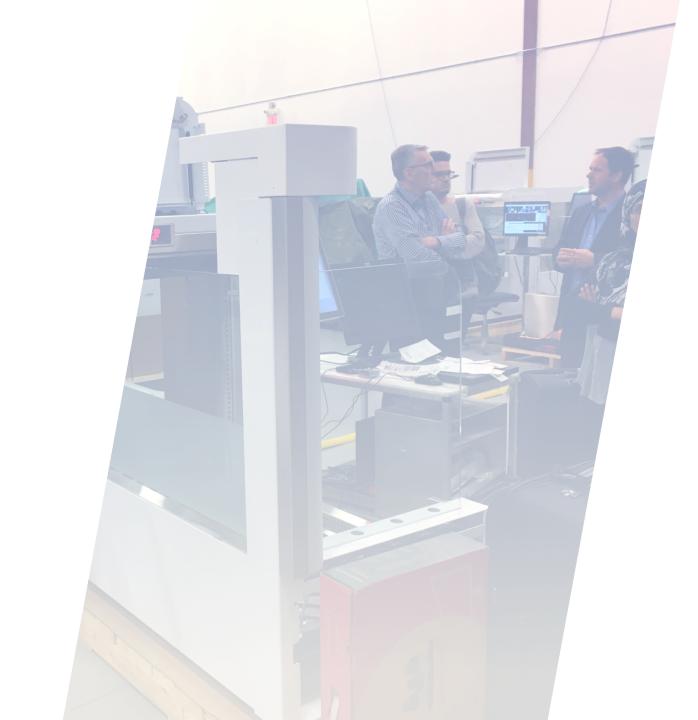


# **HOW IT ALL STARTED**



# PROJECT PREP

- 1 Coordinate with Metropolitan Airports Commission
- Iron out logistics with Embross
- 3 Identify key United stakeholders
- Project scoping → project funding
- 5 Field trips to Toronto and Minneapolis



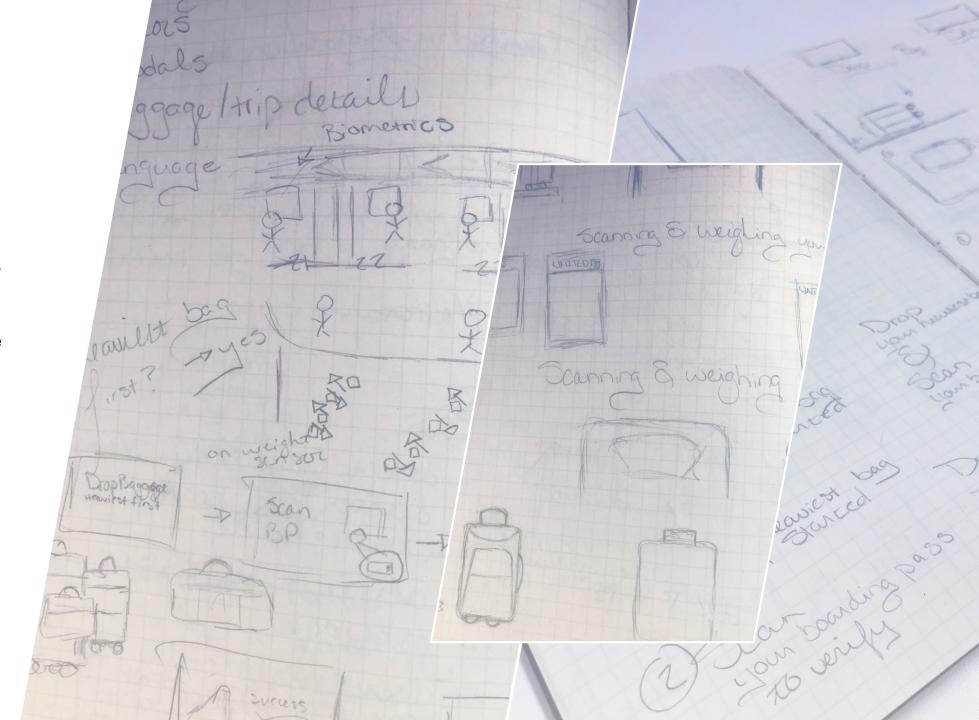


# **TECHNICAL IMPLICATIONS**

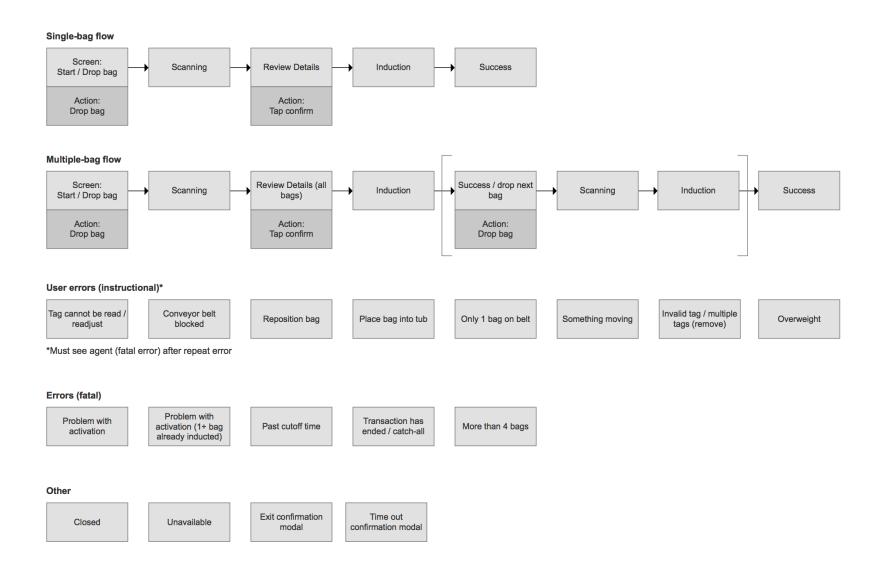
- Demo of existing counter / installation
- Integration with network / services
- New code framework
- Unforeseen errors / use cases
- No biometrics

# **DESIGNING**

- Original iconography
- Instructional animations
- Screen transitions
- Information architecture
- Error messaging



# ARCHITECTING THE EXPERIENCE

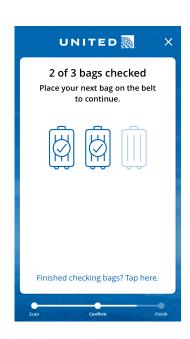


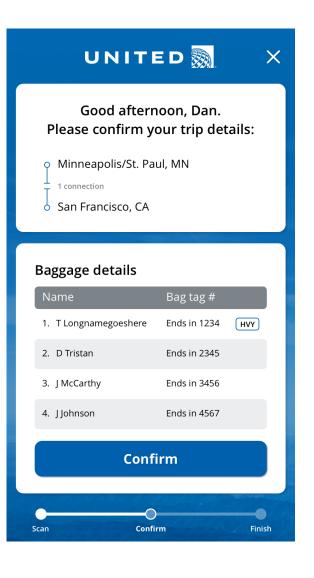
# Demo video available on request











Click to watch UI demo



# **KEY PROJECTS**



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UX VD R



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UX VD R



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UX VD R



# **Boarding pass**

Mobile app experience

A tool customers can rely on as a single source of truth in their United travel journey

# **OBJECTIVES**



# WHERE WE'RE AT



# WHERE THEY'RE AT

Delta



Southwest



Virgin



JetBlue



American



Lufthansa





# **GATHERING INSIGHTS**

Digital survey

Customer intercepts

Employee intercepts

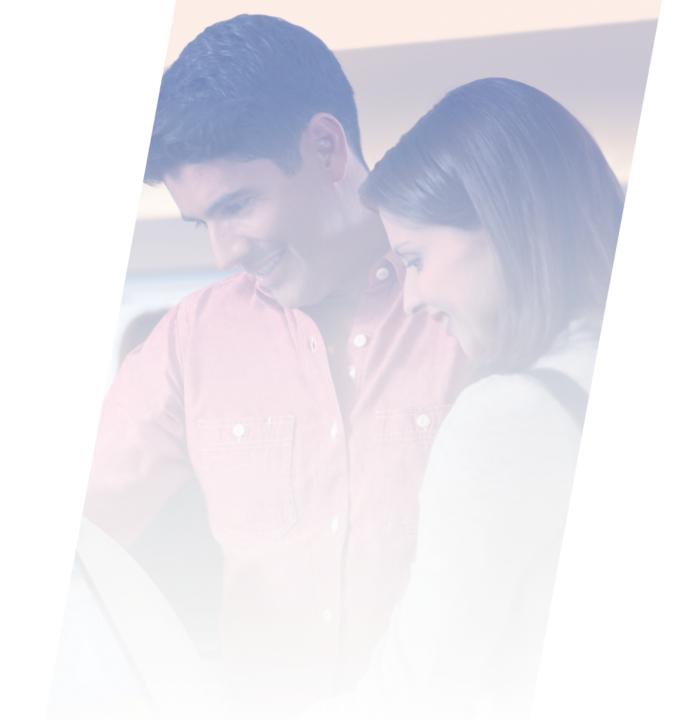


Composite of 20 travelers (intercepted at the airport) circling what they feel is needed and crossing out what they feel is not needed

# **SO...WHAT DO THEY WANT?**

### As a customer, I want to...

- 1 Have relevant information at my fingertips
- 2 Feel in control of my fate while traveling
- 3 Understand what I'm seeing and being told
- 4 Be informed of my flight's status at all times
- 5 Have a tool I can rely on to get me through the airport



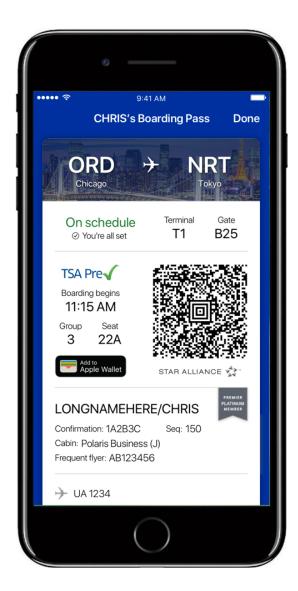
### **SO...WHAT DO THEY WANT?**

### As an employee, I want to...

- Effectively guide customers through their travel journey
- 2 Empower customers to self-service
- 3 Improve the quality of my customer interactions
- 4 Create a more personalized experience for Premier Members
- 5 Help customers board the aircraft quickly and painlessly

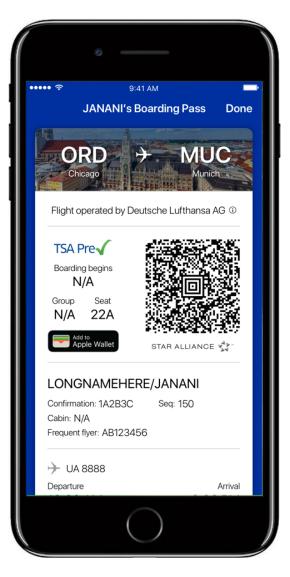


### THE DESIGN

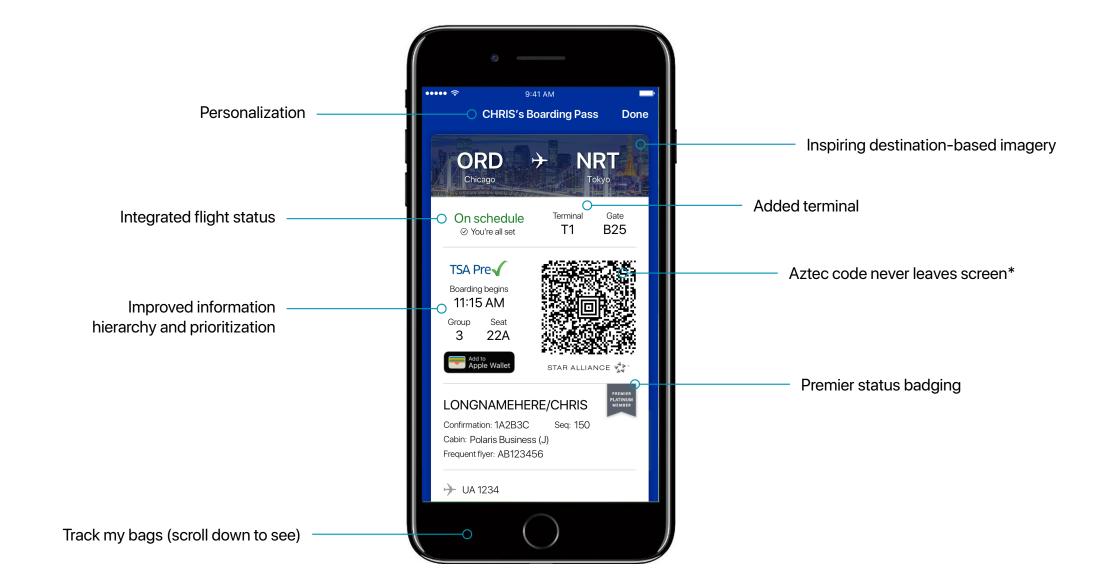






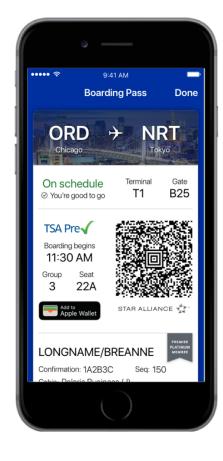


### **BREAKING IT DOWN**

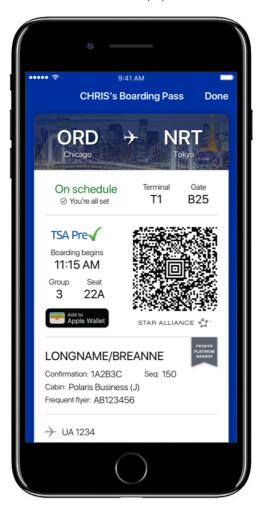


### **SCALING**

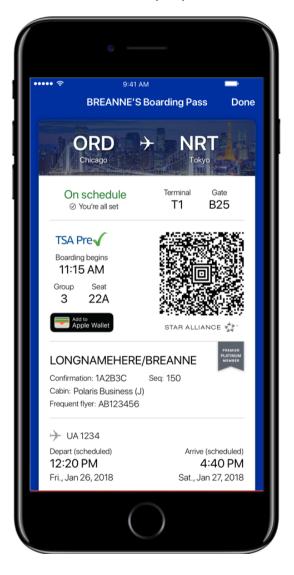
iPhone 5



iPhone 6, 7, 8



iPhone 6+, 7+, 8+



iPhone X



# **DESTINATION IMAGERY**

































### A ONE-STOP-SHOP

- Streamlined and dynamic information
- Timely updates and notifications
- Increased value for customers + employees
- Seamless experience for interline travelers

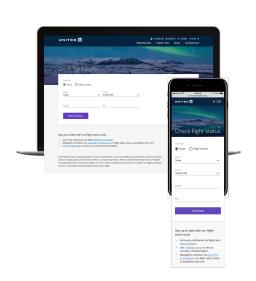


### **KEY PROJECTS**



## Flight Status redesign Responsive web

UX VD R



## **Volunteer Solicitation**Omnichannel

UX VD R



### Self bag drop Kiosk

UX VD R



### Boarding pass redesign Mobile app

UX VD R



## Flight Status

Responsive web experience

A easy and pleasant tool that enables users to find relevant information for any United flight

\* United Airlines will do everything practical to ensure we provide the most accurate flight status information at all times. However, situations of scheduled operations. Please understand that a flight listed as "Delayed" may, depending on the circumstances, depart "On Time." Unless your flight listed as "Delayed" may, depending on the circumstances, depart "On Time."

you always check-in for the original scheduled departure time of your flight.



Food:

**Overview** 

Flight Standby List | United First Upgrade Standby List | Seat Map

United Economy: Fresh food and snacks available for purchase





Home > Travel information > Flight status and information

#### Flight status and information

United offers a variety of ways to keep up to date on your travel schedule with our online flight status tools.

#### Receive flight status via e-mail or text enabled mobile phone

- Flight status notification subscription is a service for MileagePlus members that will notify you every time you travel if your flight is on time, delayed or cancelled as well as when you can check-in online and print your boarding passes.
- Flight status updates will promptly notify your flight is delayed more than 20 minutes or there is another change in the status of your flight. To receive these notifications, there must be an email address associated with your reservation. See how to add your email address.
- Current flight status is available by entering your flight information in the box below.
- Flight reminders allows you to be notified on an hourly basis of your flight's departure/arrival time.

Check Today's Operations for weather summary and flight delay information affecting United flights.

To obtain the current\* status and gate information for a flight, complete one of the forms below and then click Continue.

Check Flight Status and Gate Information		
Know the flight number?	Don't know the flight number?	
Flight Number*:	From:	
Departure Date:     Fri., Jun. 15, 2018     Sat., Jun. 16, 2018     Sun., Jun. 17, 2018     Mon., Jun. 18, 2018  Continue	To:  Departure Date:  Fri., Jun. 15, 2018 Sat., Jun. 16, 2018 Sun., Jun. 17, 2018 Mon., Jun. 18, 2018  Continue	



<u>Home</u> > <u>Travel information</u> > <u>Timetable</u> > **Timetable Results** 

#### **Timetable Results**

#### You Searched:

Boston, MA, US (BOS) to Seattle, WA, US (SEA) Depart: Mon., Jun. 18, 2018, Anytime

- > Search only for flights with seat availability.
- > Call a United reservations office.

<b>New Timetable Search</b>	
From:	То:
BOS	SEA
Depart Date: Time: 6/18/2018 Anytime \$	
0/18/2018 Allytime •	
Search	

#### **Search Results**

	<u>Departing</u>	Arriving	<u>Travel Time</u>	<u>Distance</u>	Flight Details	
Check Flight Status	Depart: <b>12:05 p.m.</b> Boston, MA, US (BOS)	Arrive: 2:30 p.m. Denver, CO, US (DEN)	Flight Time: 4 hr 25 mn	Distance 1,754 m	Flight: <b>UA652</b> Aircraft: <b>Boeing 737-900</b>	
	Change Planes. Connect time in	Change Planes. Connect time in Denver, CO, US (DEN) is 40 minutes.				
	Depart: 3:10 p.m. Denver, CO, US (DEN)	Arrive: 5:01 p.m. Seattle, WA, US (SEA)	Flight Time: 2 hr 51 mn Travel Time: 7 hr 56 mn	Distance 1,024 m Total Distance: 2,778 m	Flight: <b>UA948</b> Aircraft: <b>Boeing 737-900</b>	
Check Flight Status	Depart: 5:00 a.m. Boston, MA, US (BOS)	Arrive: 6:36 a.m. Chicago, IL, US (ORD - O'Hare)	Flight Time: 2 hr 36 mn	Distance 867 m	Flight: UA203 Aircraft: Boeing 737-900	
	Change Planes. Connect time in Chicago, IL, US (ORD - O'Hare) is 1 hour 9 minutes.					
	Depart: 7:45 a.m. Chicago, IL, US (ORD - O'Hare)	Arrive: 10:09 a.m.	Flight Time: 4 hr 24 mn	Distance 1,720 m	Flight: UA1846 Aircraft: Boeing 737-900	
	Cilicago, IL, OS (OKD - O Hale)	Seattle, WA, US (SEA)	Travel Time: 8 hr 9 mn	Total Distance: 2,587 m		
Check Flight Status	Depart: 5:30 a.m. Boston, MA, US (BOS)	Arrive: 6:40 a.m. New York/Newark, NJ, US (EWR - Liberty)	Flight Time: 1 hr 10 mn	Distance 201 m	Flight: UA2077 Aircraft: Boeing 737-700	
	Change Planes. Connect time in New York/Newark, NJ, US (EWR - Liberty) is 1 hour 4 minutes.					
	Depart: 7:44 a.m. New York/Newark, NJ, US (EWR - Liberty)	Arrive: 10:40 a.m. Seattle, WA, US (SEA)	Flight Time: 5 hr 56 mn Travel Time: 8 hr 10 mn	Distance 2,401 m Total Distance: 2,602 m	Flight: <b>UA280</b> Aircraft: <b>Boeing 737-900</b>	
	Descrit:	A multiple .	Files Times	D:	FR-LL HAARE	

<sup>\*</sup> United Airlines will do everything practical to ensure we provide the most accurate flight status information at all times. However, situations change quickly and many factors affect our schelded operations. Please understand that a flight listed as "Delayed" may, depending on the circumstances, depart "On Time." Unless your flight has been listed as "cancelled" we suggest you always check-in for the original scheduled departure time of your flight.



#### Flight Status & Information

Below is the latest\* information about the flight(s) you selected. This information may change as a flight's status changes. The times shown are local to the airport under which they are listed.

#### Update Results

Last refreshed Mon., Jun. 18, 2018 9:40 p.m.

#### United Flight 652: Boston, MA, US to Denver, CO, US

**Status: Arrived Gate 11 Minutes Early** 

#### **DEPARTS ARRIVES** City: Boston, MA, US (BOS) City: Denver, CO, US (DEN) Gate: **B23** Gate: **B41** Terminal: Terminal West, Concourse B Check-in Terminal: Terminal B Scheduled Time: 12:05 p.m. Scheduled Time: 2:30 p.m. Scheduled Date: Mon., Jun. 18, 2018 Scheduled Date: Mon., Jun. 18, 2018 Actual Time: 12:01 p.m. Actual Time: 2:19 p.m. Actual Date: Mon., Jun. 18, 2018 Actual Date: Mon., Jun. 18, 2018

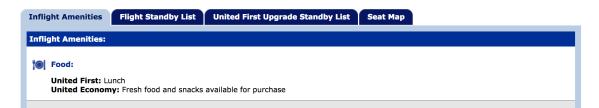
#### Aircraft and weather

Aircraft: Boeing 737-900 aircraft #3414

Where is this aircraft coming from? Chicago, IL, US (ORD - O'Hare), Flight 992 Check Status

Weather conditions: BOS, DEN

#### **Information for the Traveler**



#### **Inflight Amenities:**



United First: Lunch

United Economy: Fresh food and snacks available for purchase



#### **Beverages:**

Non-alcoholic beverages are complimentary. Alcoholic beverages are complimentary in premium cabins. Please refer to the Choice Menu beverages page in the back of your Hemispheres inflight magazine or see the Inflight Dining section of united com for current offerings and United Economy pricing.



#### **Wi-Fi and Entertainment:**



Download the latest United app before boarding to access personal device entertainment. Wi-Fi access is available for purchase, with coverage in the continental U.S. DIRECTV® is available for purchase and offers 100+ live TV channels within the continental U.S. DIRECTY. Recorded movies and TV shows are available throughout the entire flight. Use the same credit card on three or more screens to receive a \$2 group discount off each DIRECTV® purchase.



#### Inseat Power:

Power outlets are available in all rows. These 110v power outlets accept plugs from the U.S. and other select countries.

#### **Aircraft Specifications:**



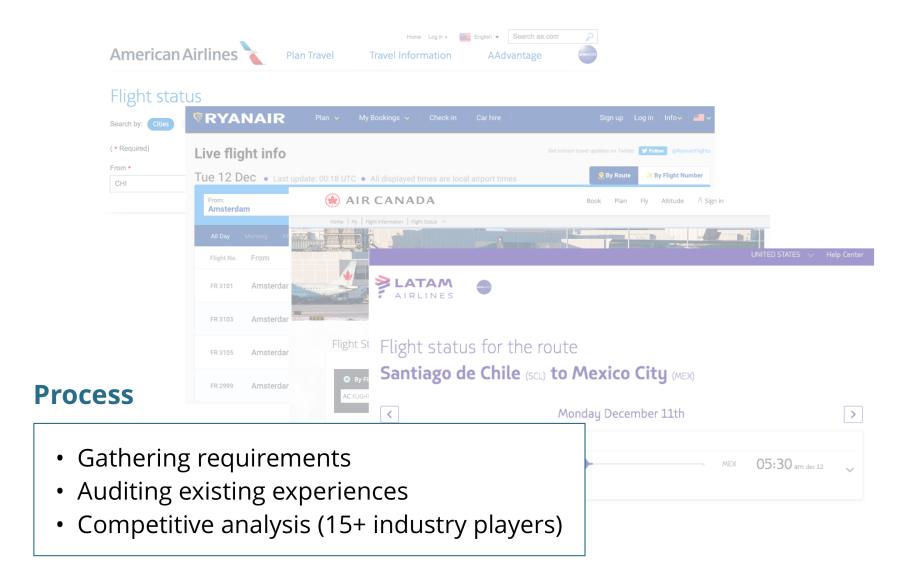
#### Aircraft:

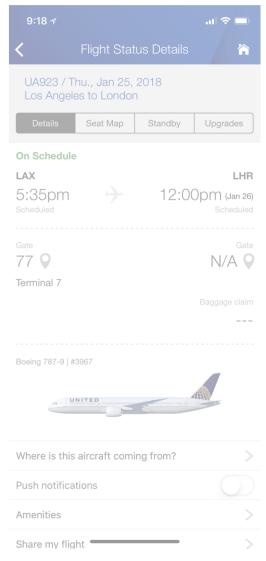
- Boeing 737-900
- Capacity: 179 (20 United First®, 159 United Economy®)
- · Cruise speed: 530 mph
- Propulsion: Two General Electric CFM56-7B26 high-bypass ratio turbofan engines, rated at 26,300 pounds thrust each
- Wingspan: 112 feet, 7 inches



#### Seating:

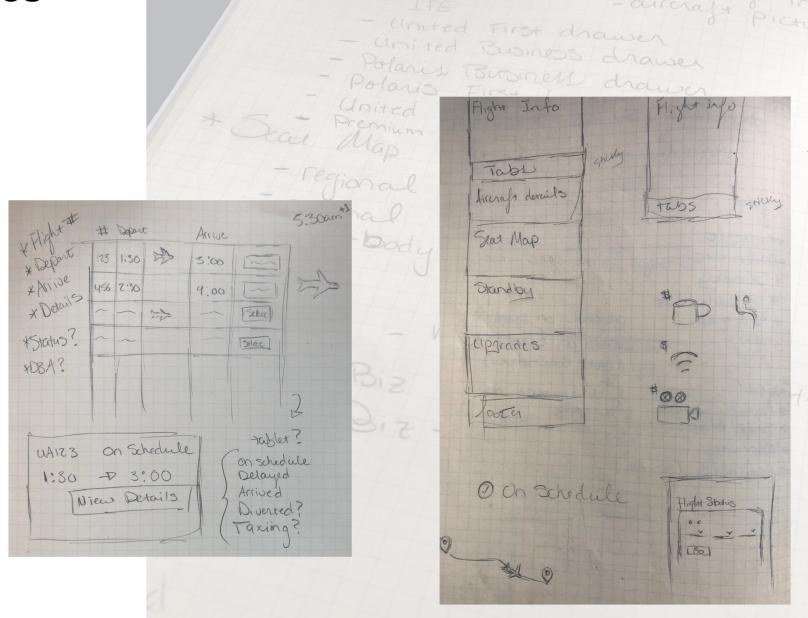
- United First®: 2-2 seating layout. Seats have a 21-inch width and 38 inches of pitch.
- United Economy®: 3-3 seating layout. Economy Plus® seats have a 17.3-inch width and a minimum of 34 inches of pitch. Most Economy seats have a 17.3-inch width and 30 inches of pitch.

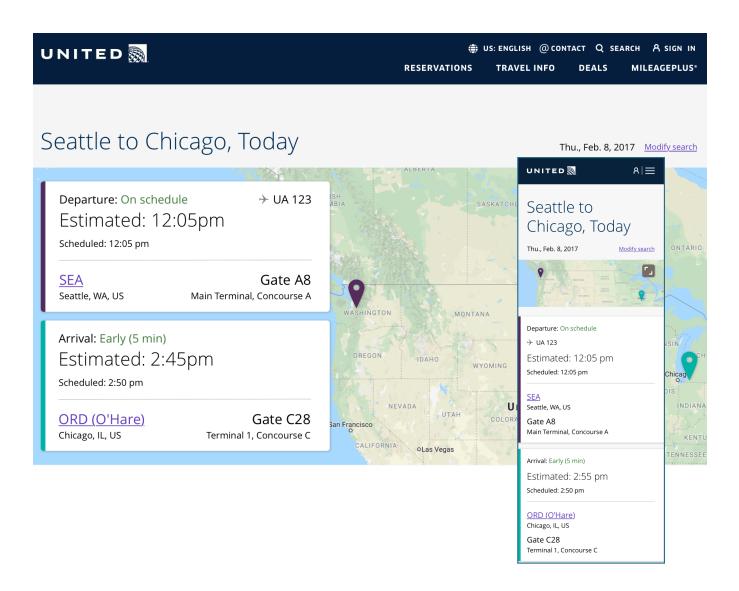




### **Designing**

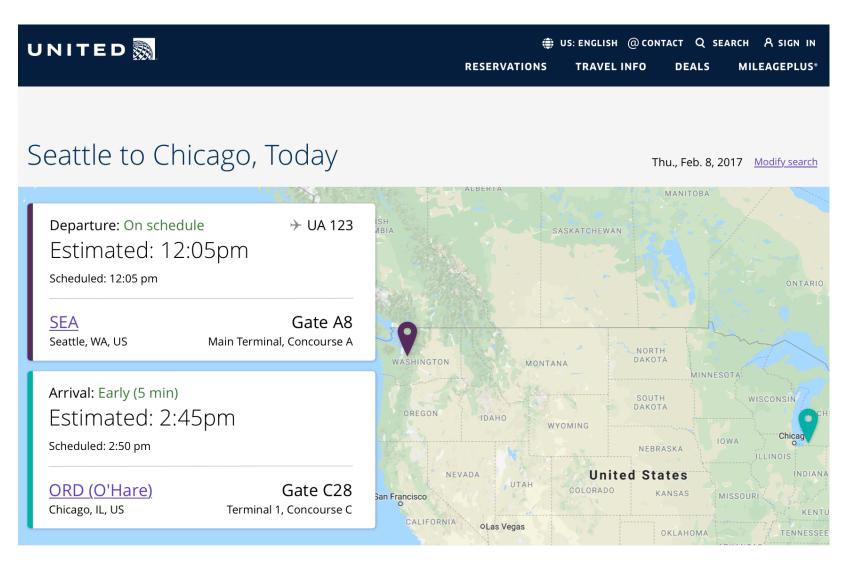
- Leveraging existing pattern library
- Responsive challenges
- Google Maps integration

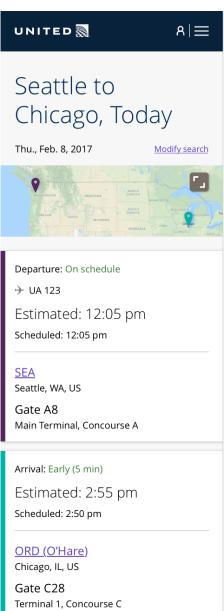


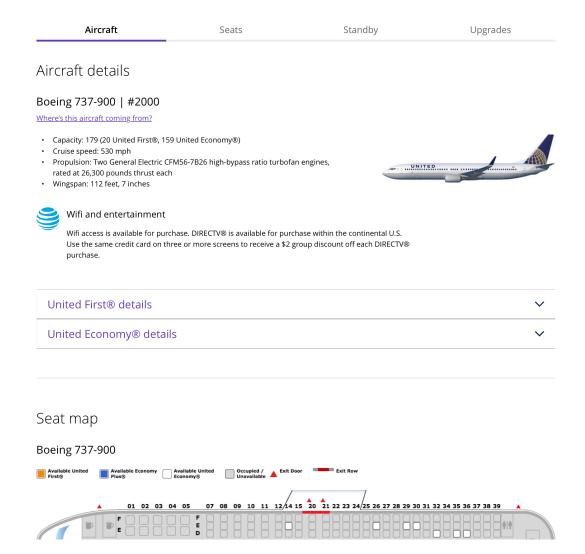


### Refining

- Usability and validation testing
- United brand refresh
- Look/feel testing







#### Upgrade list\*

#### United Polaris™ First availability

Total seats	16
Booked seats	16
Checked in	16
Not checked in	0
Open seats	0

#### United Polaris™ Business availability

Upgraded to

Total seats	16
Booked seats	16
Checked in	16
Not checked in	C
Open seats	0

#### Upgraded to United Polaris™ First

	Seat
BIC, M.	1A
WWW, W.	1B
LED, L.	2A
NG, P.	2B

Standing by for	
United Polaris™	First

11. OH, B. 12. LEV, A.

13. BER, A. 14. KRU, K.

15. ASK, D.

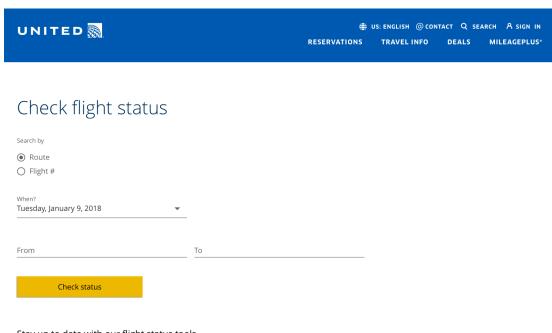
		Seat
	BIC, M.	1A
	WWW, W.	1B
	LED, L.	2A
	NG, P.	2B
	MCC, J.	3A
	TRI, D.	3B
	REN, J.	4A

Standing by for United Polaris™ First United Polaris<sup>™</sup> First

Nar	me
1.	ОН, В.
2.	LEV, A.
3.	BER, A.
4.	KRU, K.
5.	ASK, D.
6.	TOD, J.
7.	COZ, A.
8.	LAR, P.
9.	BRA, B.
10.	SHU, A.

Previous 10 Next 2 >

#### Iteration 1

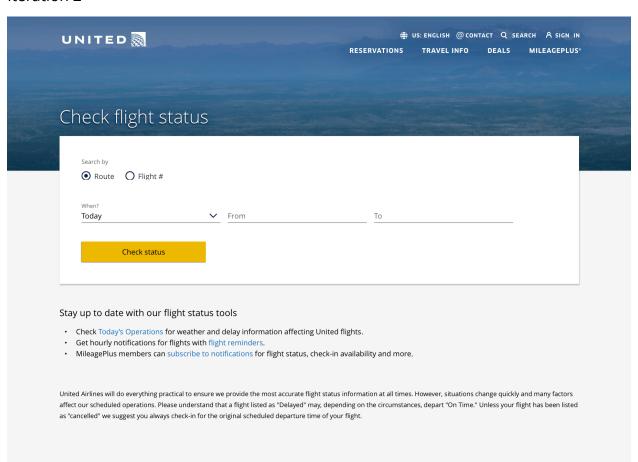


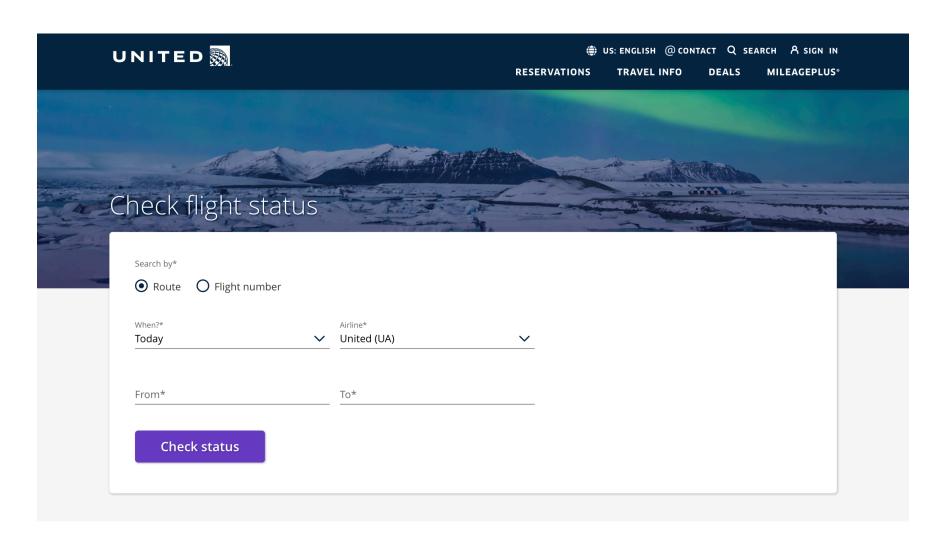
#### Stay up to date with our flight status tools

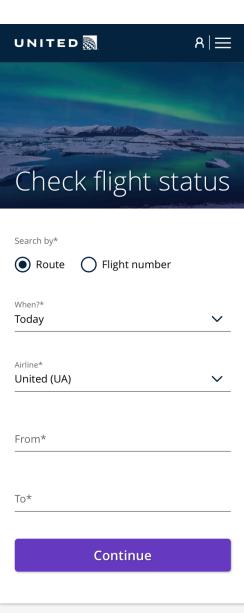
- · Check Today's Operations for weather and delay information affecting United flights.
- · Get hourly notifications for flights with flight reminders.
- MileagePlus members can subscribe to notifications for flight status, check-in availability and more.

United Airlines will do everything practical to ensure we provide the most accurate flight status information at all times. However, situations change quickly and many factors affect our scheduled operations. Please understand that a flight listed as "Delayed" may, depending on the circumstances, depart "On Time." Unless your flight has been listed as "cancelled" we suggest you always check-in for the original scheduled departure time of your flight.

#### Iteration 2

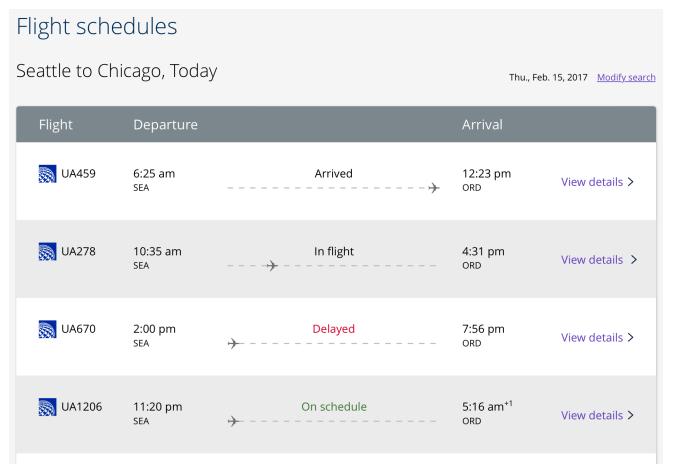


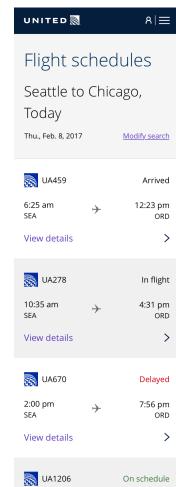


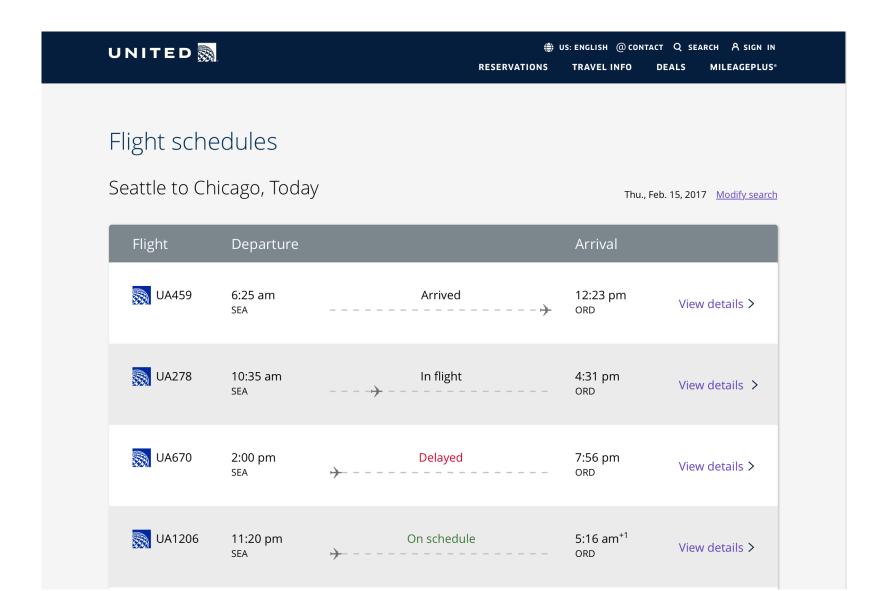


### **Delivery**

- Product team education
- Responsive challenges
- Current progress







### Flight schedules

Seattle to Chicago, Today

Thu., Feb. 8, 2017

Modify search

