REDESIGNING

Airport Arrivals and Connections

Final Presentation

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Meet the Team



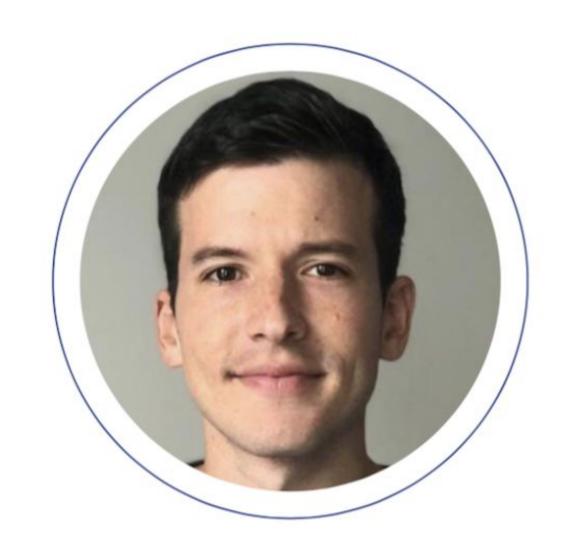
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M.F.A Service Designer



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Our Process

01

Discover

Key questions

Cultural probe

Survey

Interviews

Affinitization

Task analysis

Design criteria

User definition

Personas

How might we?

Competitive analysis

Secondary research

02

Define

Insights into Ideas

Idea Pool

Concept Mood Boards

Concepts & Storyboards

Analyze Concepts

Technological Assessment

Concept & Strategy

Low fidelity User testing

Mid fidelity User testing

Define Solutions

03

Design

Sitemaps

Wireframes

User testing

Visual Design

High-fidelity

Ongoing Prototyping

Discover

Initial Discoveries

74% of participants don't feel well informed during their arrival and connecting experiences.

58 Participants

Inquiry

"And I remember waiting on my computer and because there is time change thought had more time not knowing my phone had already advanced."

International Traveller

"In the US they enforce this whole sense of fear."

International Student

Define

Passenger's Pain Points



IMMIGRATION AND CUSTOMS

- Long waiting lines
- Rude agents
- Confusing forms



TRANSPORTATION

No reliable or personalized information about transportation



BAGGAGE CLAIM

- Insecure about bag status
- Long waiting times



SECURITY CHECKS

- Inconsistency among airports
- Same PP as immigration



NAVIGATION

- Easily disoriented
- Struggle to find gate
- Signage is limited



CONNECTIONS

- Can't plan times
- Afraid of losing flights
- Lack of comfort and entertainment

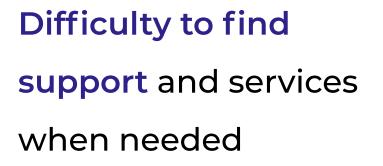


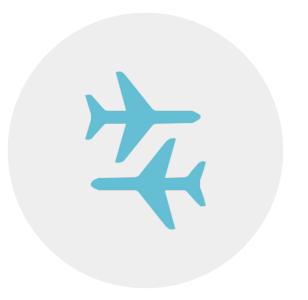
SERVICES

- Feel guilty to ask for help
- It's hard to find support when needed
- Unaware of the options and details

Research Key Insights







Uncertainty about flights, times and baggage



Intimidation while
Interacting with
agents and staff



Inconsistent Airport information platforms



Disorientation
regarding locations
and requirements

How might we make the passengers' feel more confident, provide comfort and make their travel journey convenient?



Vindo

One Step Closer



Solution

Vindo is a platform that assists passengers on International Connections and Arrivals by providing real time and context based information, thus reducing stress, uncertainty and disorientation.



Our Value Proposition

CONFIDENCECOMFORTTime-PlanningWayfindingService SearchDocuments and RequirementsWalking Distances/ TimesCompare ServicesFlight/Baggage NotificationsReach Customer Service

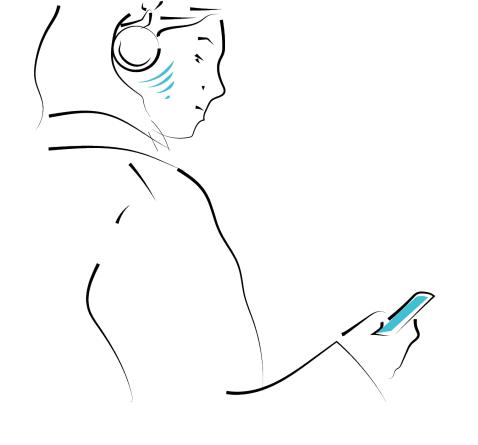






User Device Interactions









TOUCH

Essential when audio is off or users don't have an audio device.

AUDIO AND TOUCH or VISUAL

Audio can work by it self or complement what is being viewed on the screen.

VOICE AND SCREEN

Users don't find it so useful.

VOICE AND AUDIO

Users find it useful when their hands are full and/or they are rushing or busy.

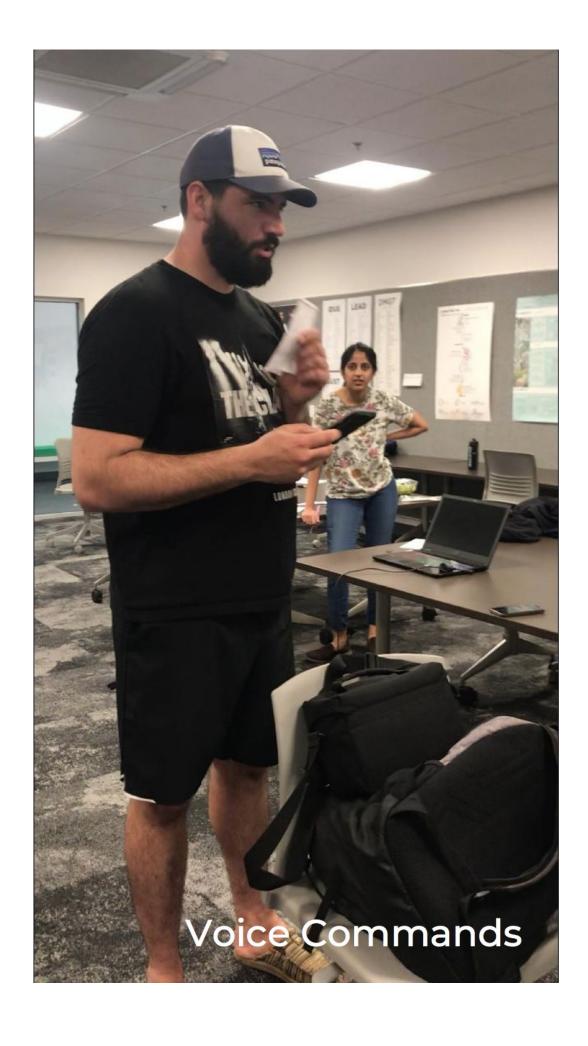
Design Prototype 1 & 2

Scenario

Connection after a long International flight.

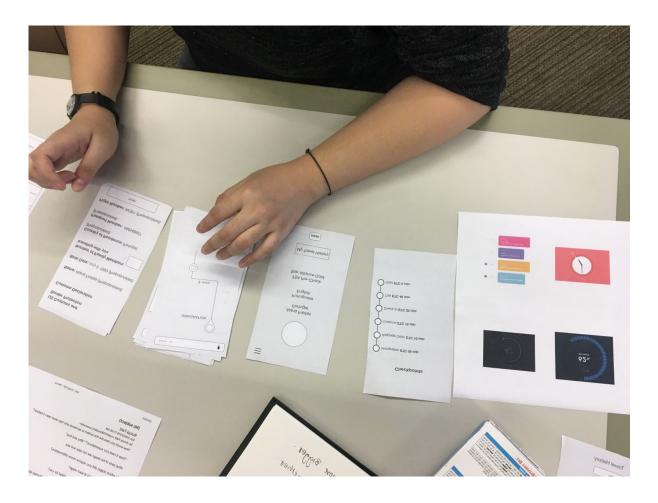
3 Participants

User-testing





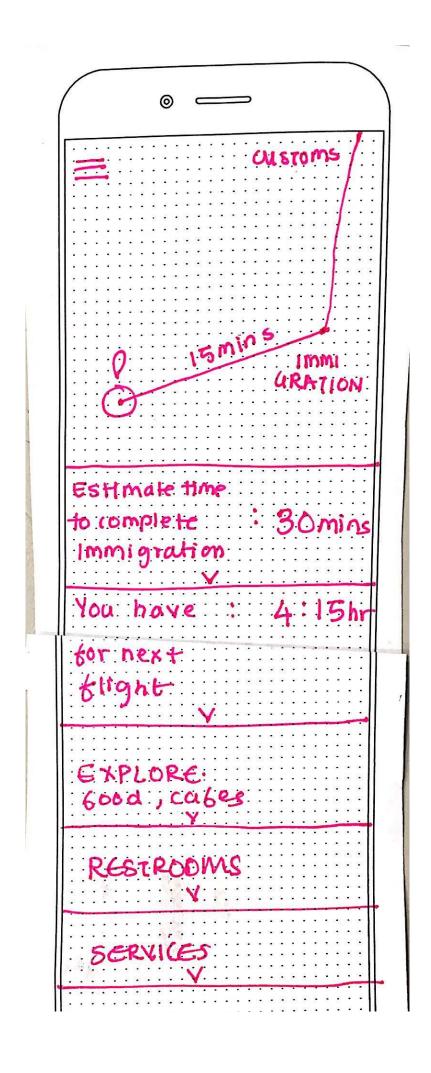






Touch and Audio Interaction

AT THE IMMIGRATION CHECKPOINT

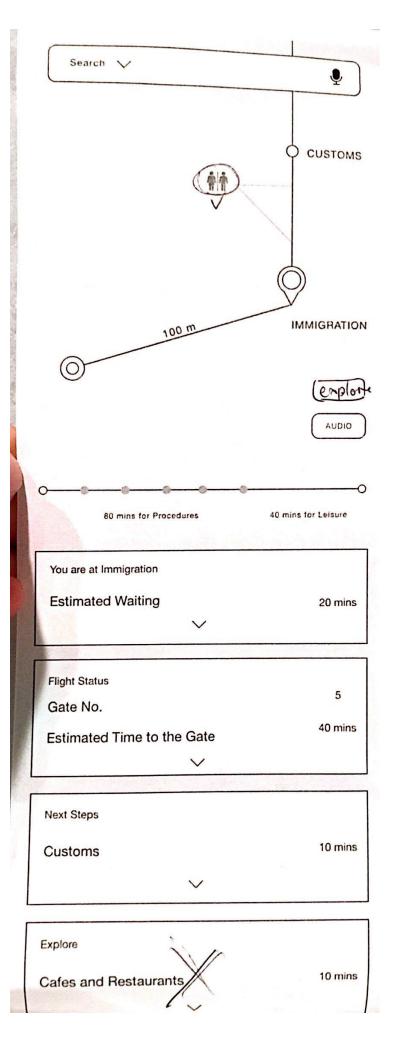


"Pick the visitor's line #6. Estimated wait time is 30 minutes."

"On you wait time, what would you like to hear?"

PROTOTYPE 1

"Line #6 is the fastest line for you."



PROTOTYPE 2

Touch and Audio Interaction

Welcome Noel, you have arrived to Moscow.

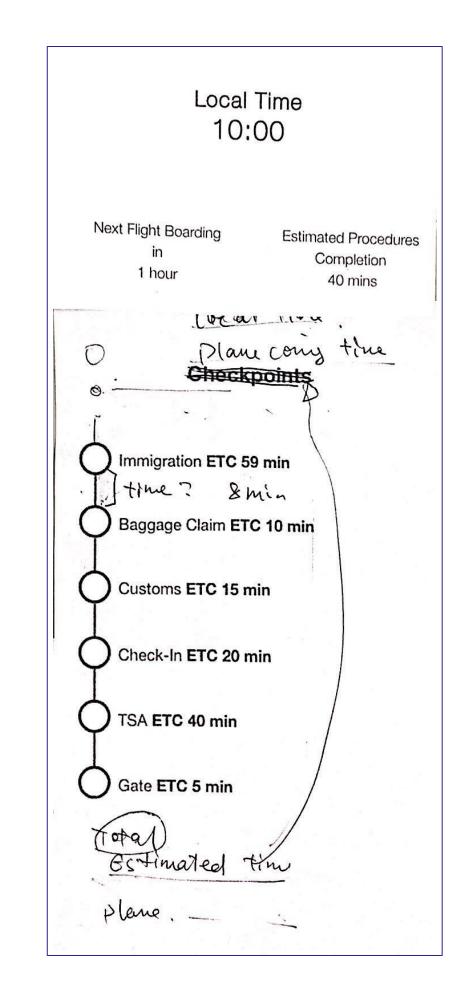
Local Time 10:00

Next Flight Boarding in Completion
1 hour 40 mins

Next Stage:
Immigration
20 mins

Fill Custom Form

Take me to the Immigrations



"Please proceed to your immigration immediately"

"Turn right. Norwegian airline is on the left."

"Your bags seem to still be in transit. They will be in belt #3."

PROTOTYPE 2

Synthesized Insights from User testing

3 PARTICIPANTS

All participants want to reach to the Gate first while on connections.

Knowing where restrooms are, is important for all the 3 participants.

The i**nformation given through audio** made all 3 participants feel certain about their situation.

All participants wanted to know if they are going to make it to their next flight.

2 participants wanted time to be represented in a visual way.

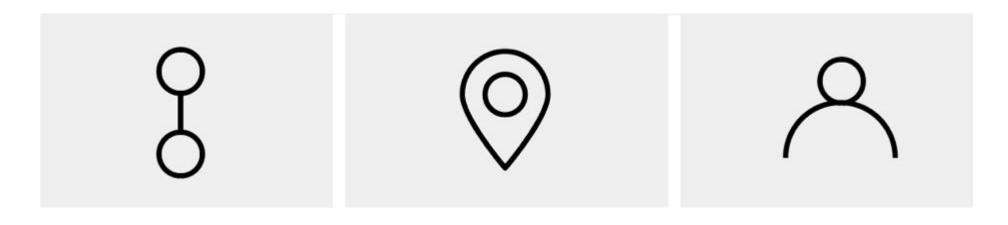
2 participants would not use the pre-order food option.

The Application should confirm users once they have finished with Airport procedures.

Alert users during uncertain situations like change in Gate no.

Synthesized Insights from User testing

Two different ways of viewing were preferred.



as listings as locations on a map.

The Checkpoint screen is required to list all procedures of Airport and provides access to details at anytime

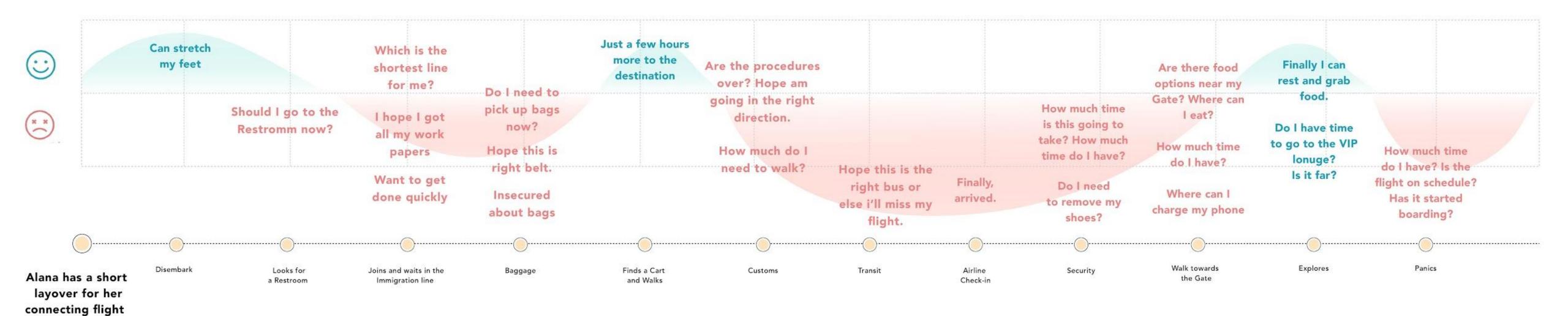
Map to receive context based information and explore services.

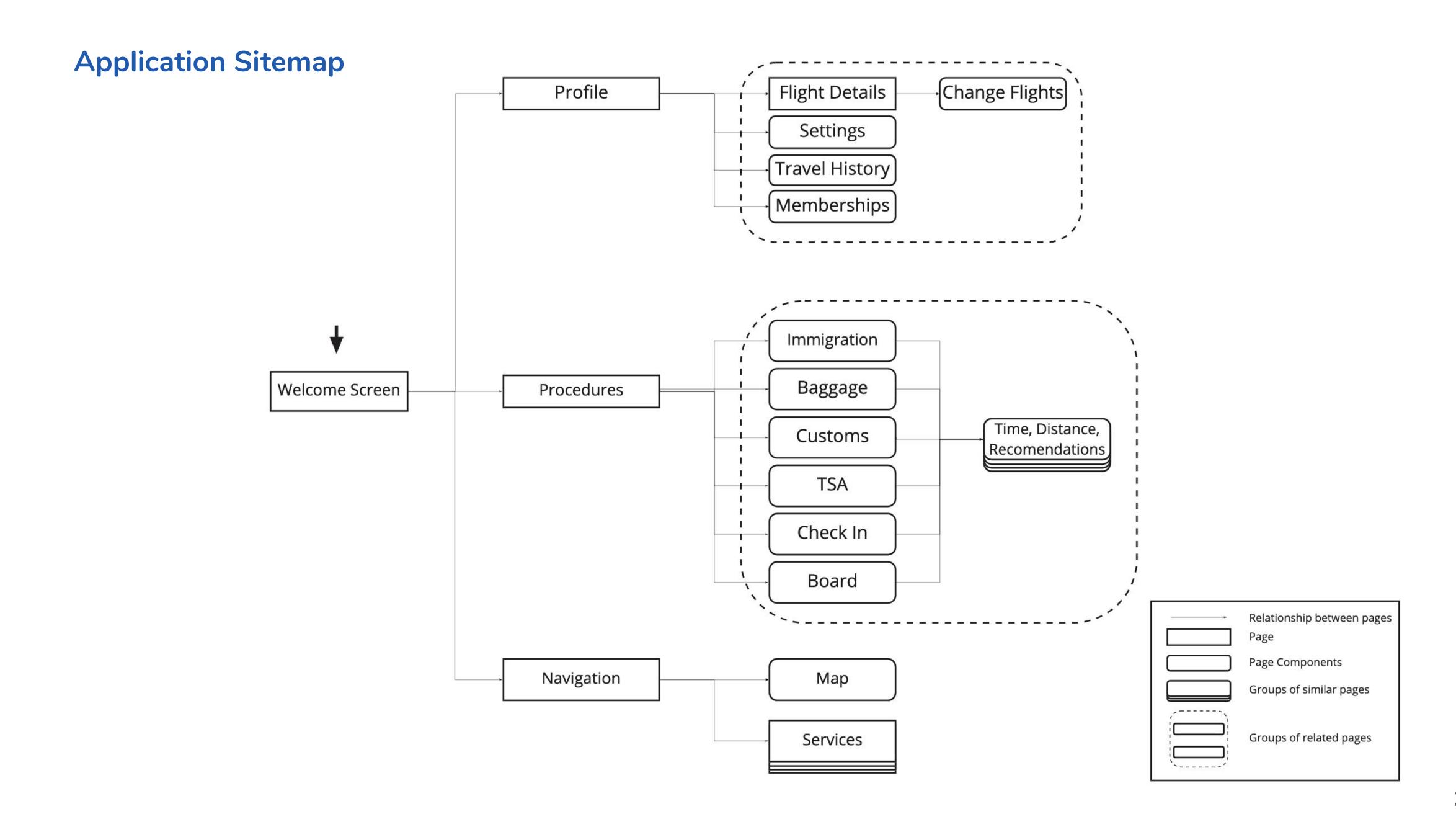
Design Prototype 3

Alana's Journey Map

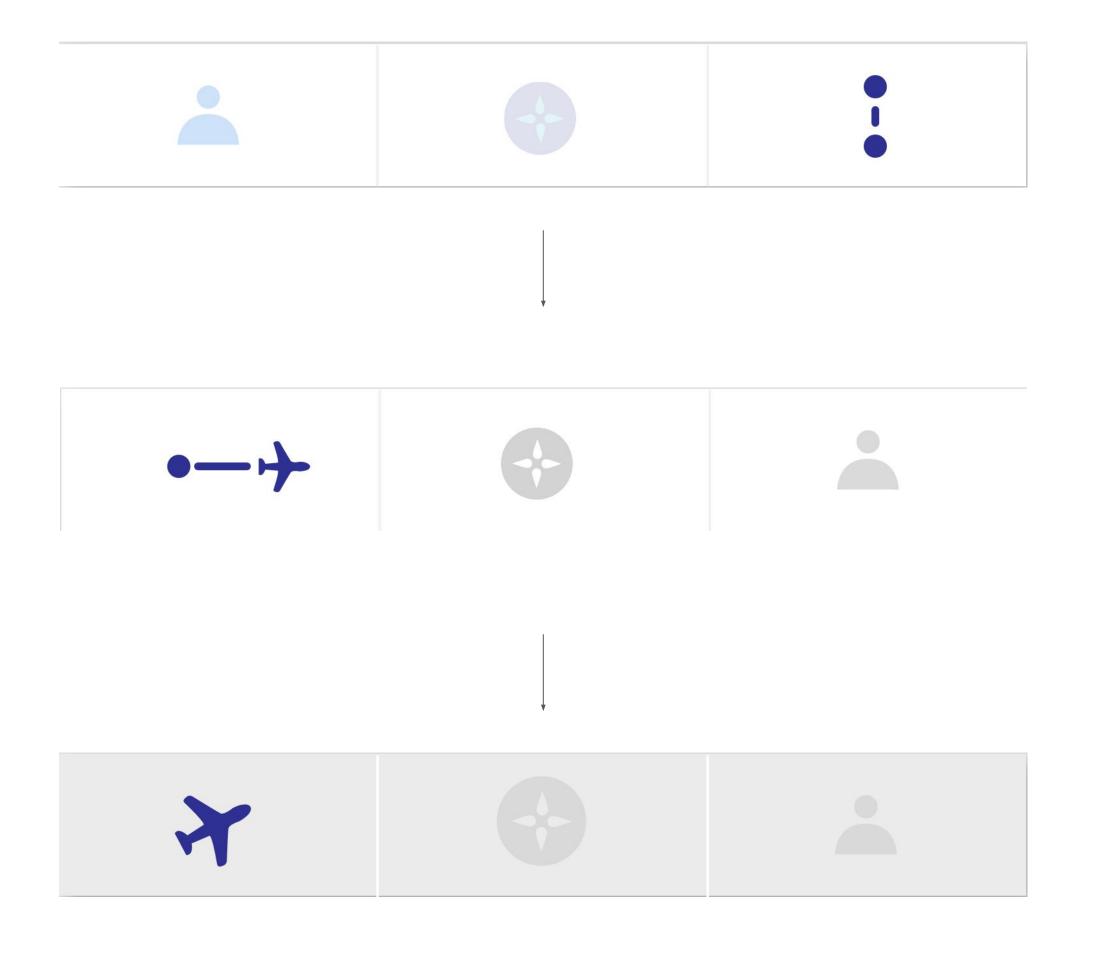


"You come from an exhausting flight, and you have already gone through security checks on your departure, you just don't want anymore stress"

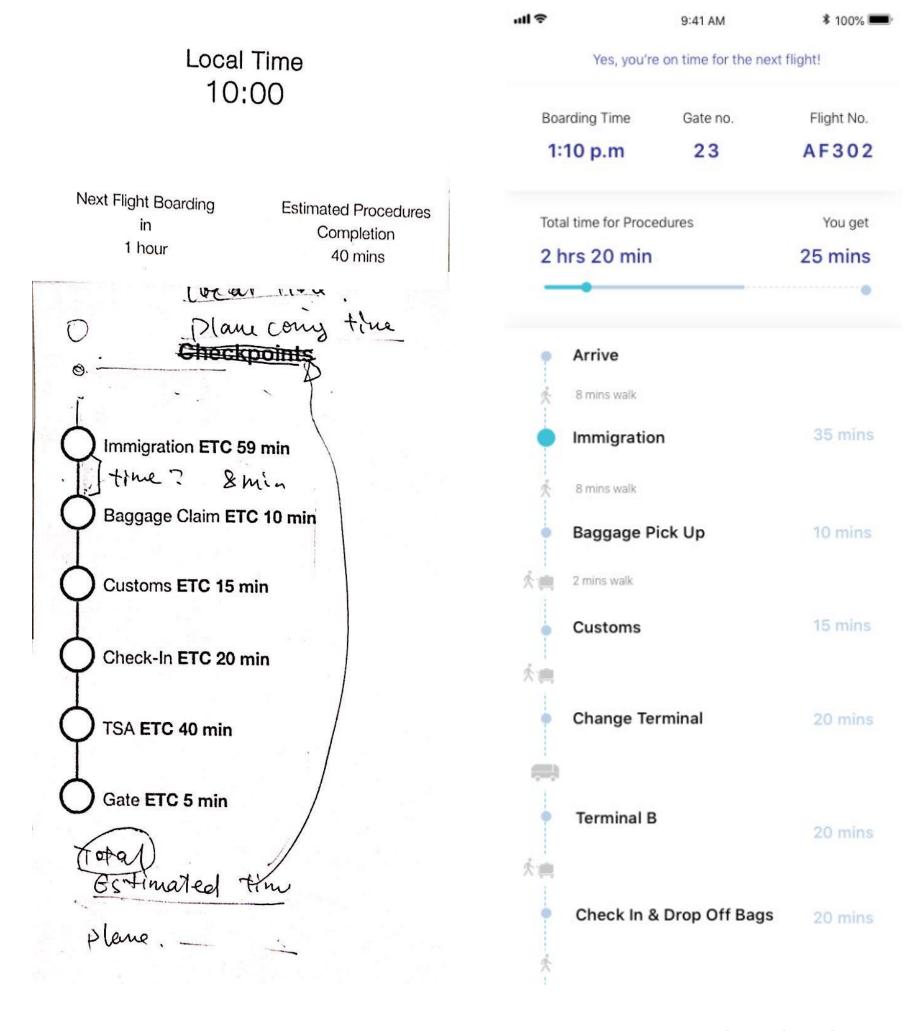


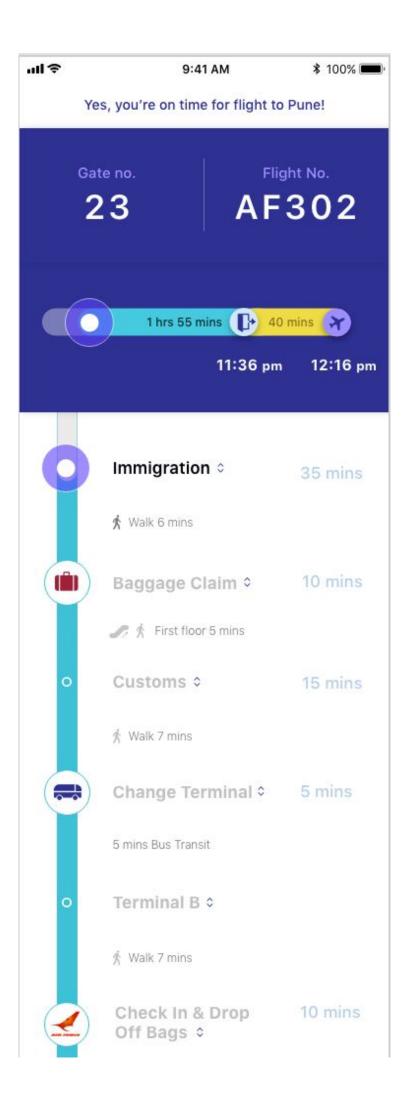


Order and Iconography for Global Navigation



Order, Labels, and Iconography for Local Navigation



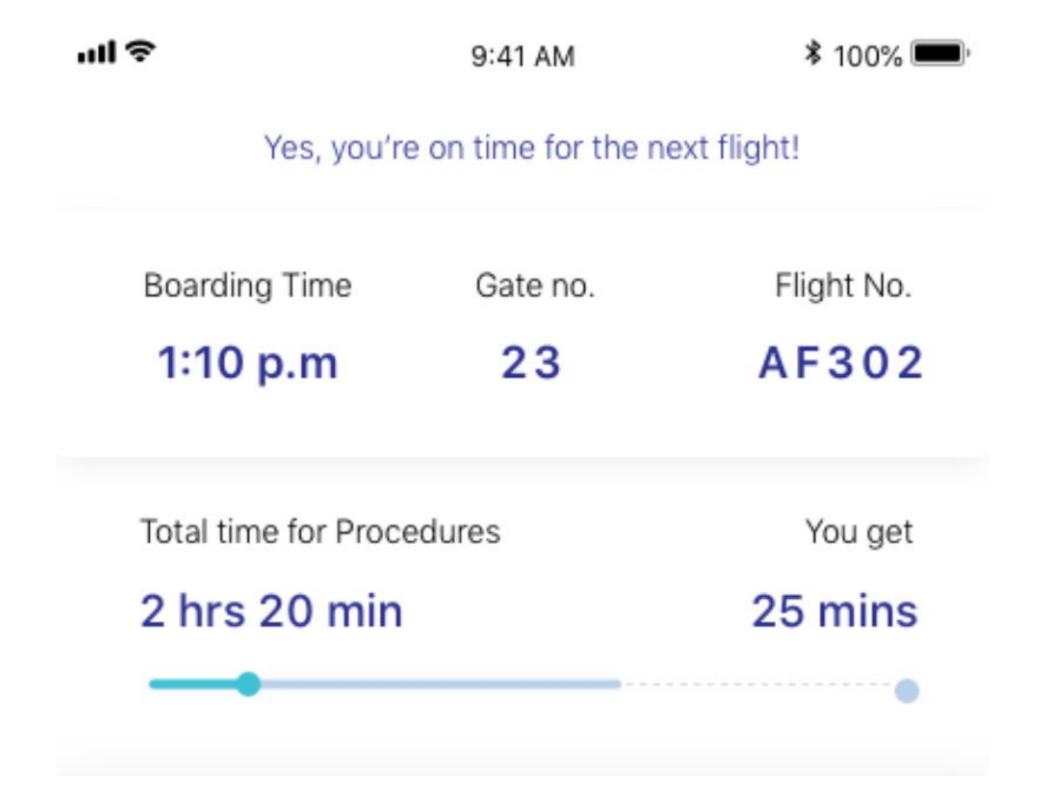


UX INSPECTION

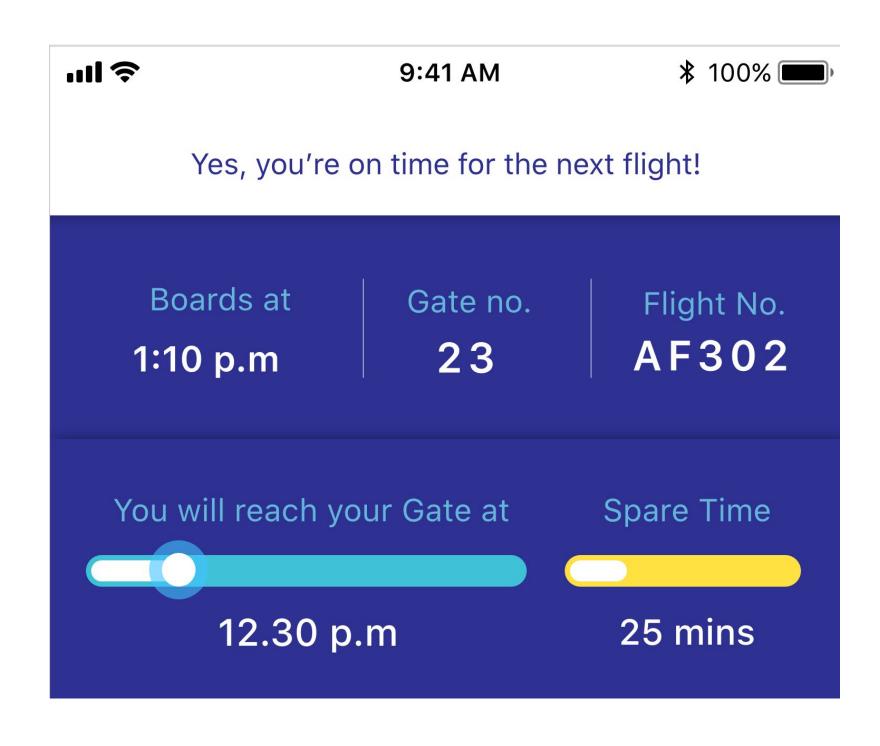
Iterations for Time Visuals

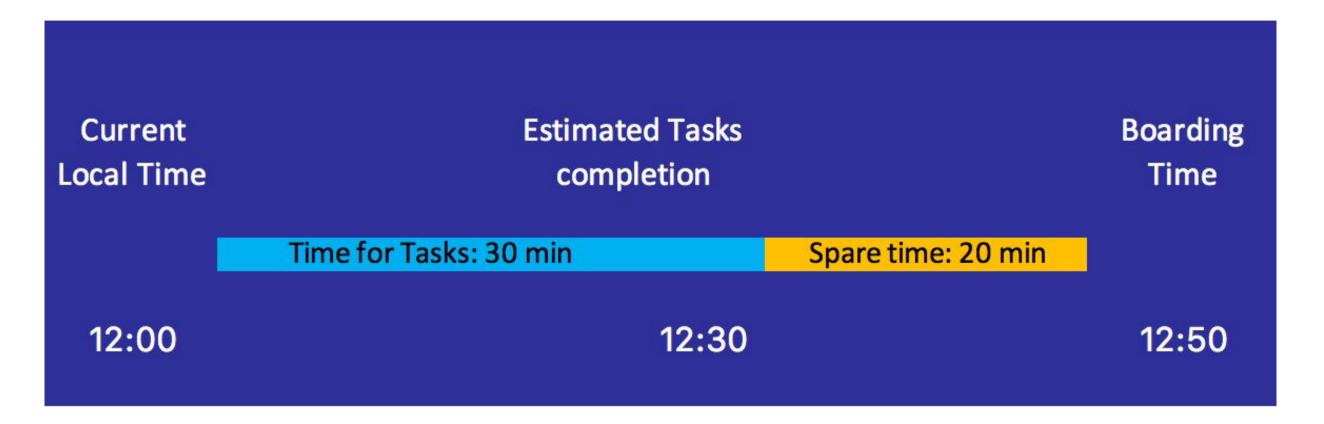
Yes, you're on time for the next flight!

Boarding Time 1:10 p.m	Gate no. 23	Flight No. AF302
Total time for Procedures 2 hrs 20 min		Leisure Time 25 mins

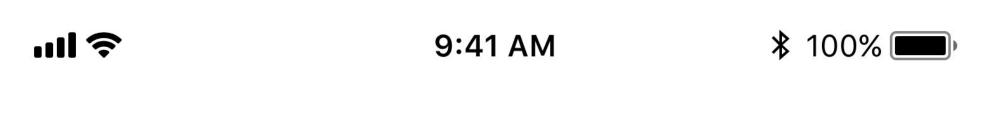


Iterations for Time Visuals

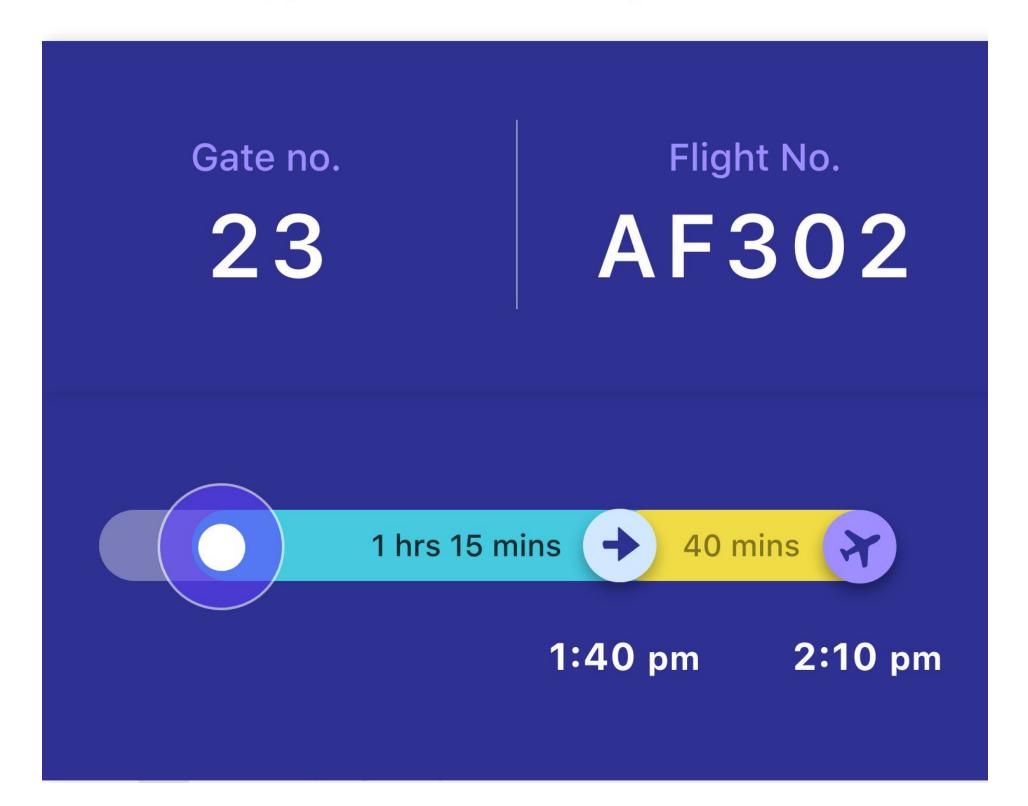




Time Visuals

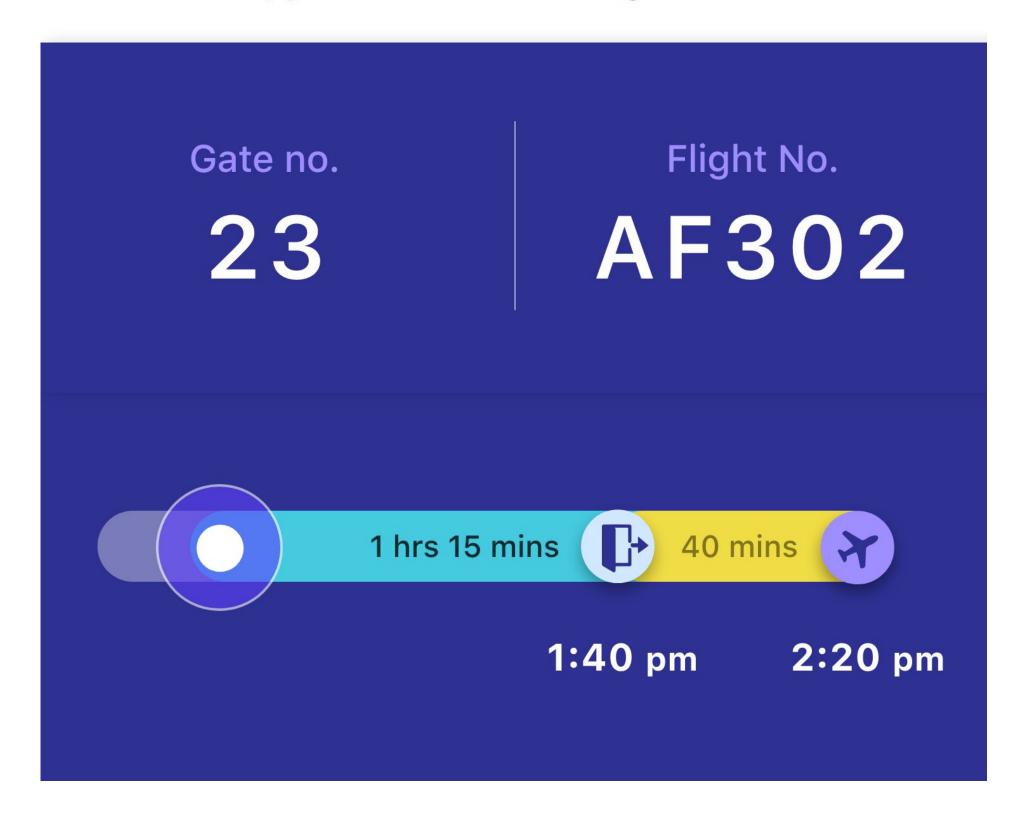


Yes, you're on time for flight to Pune!



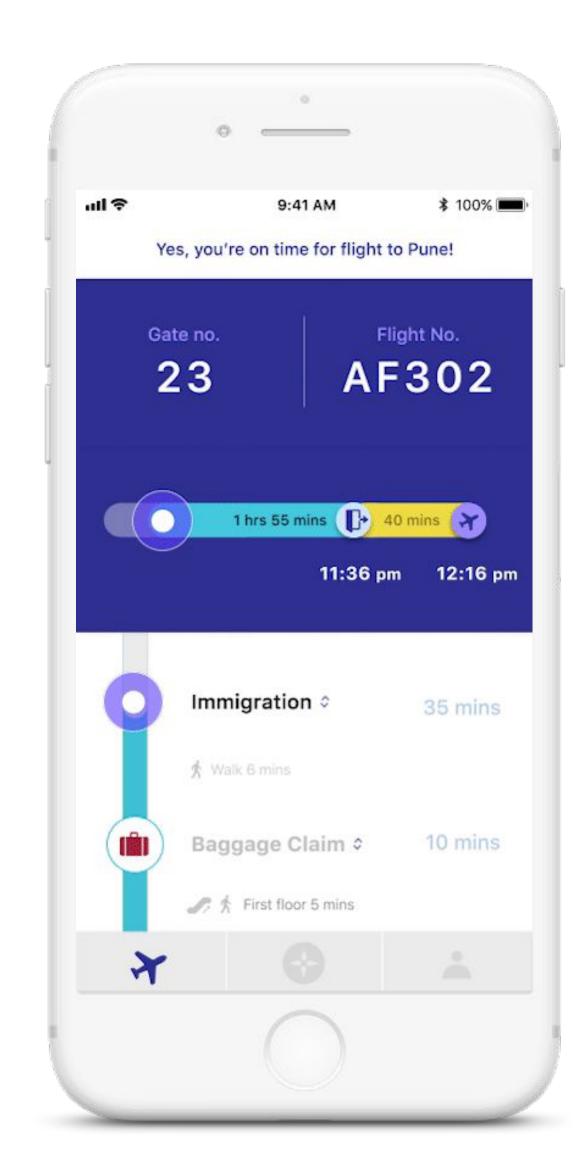


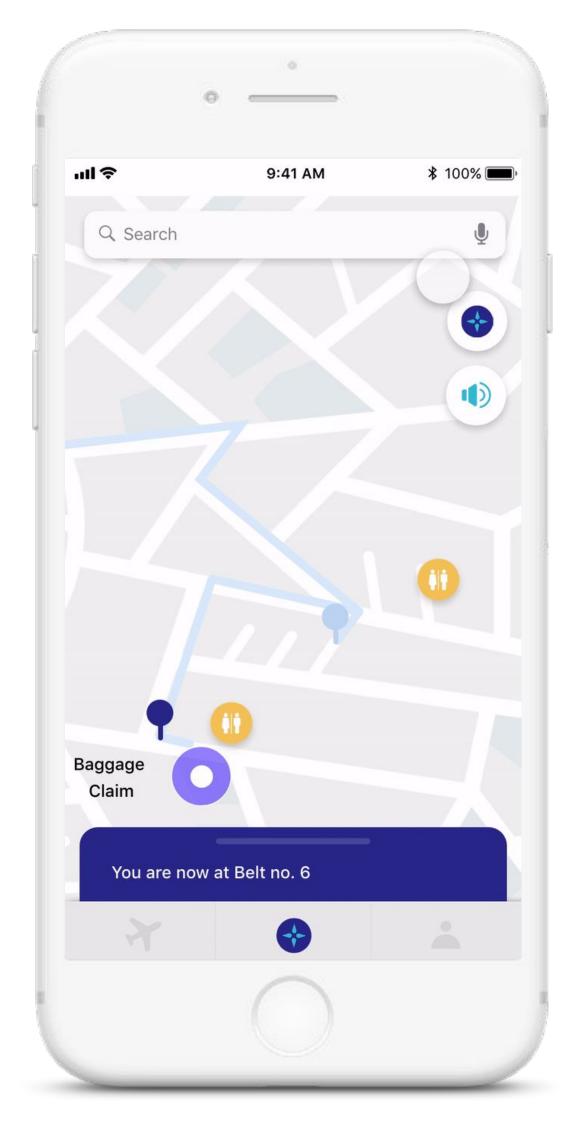
Yes, you're on time for flight to Pune!



Final Screens



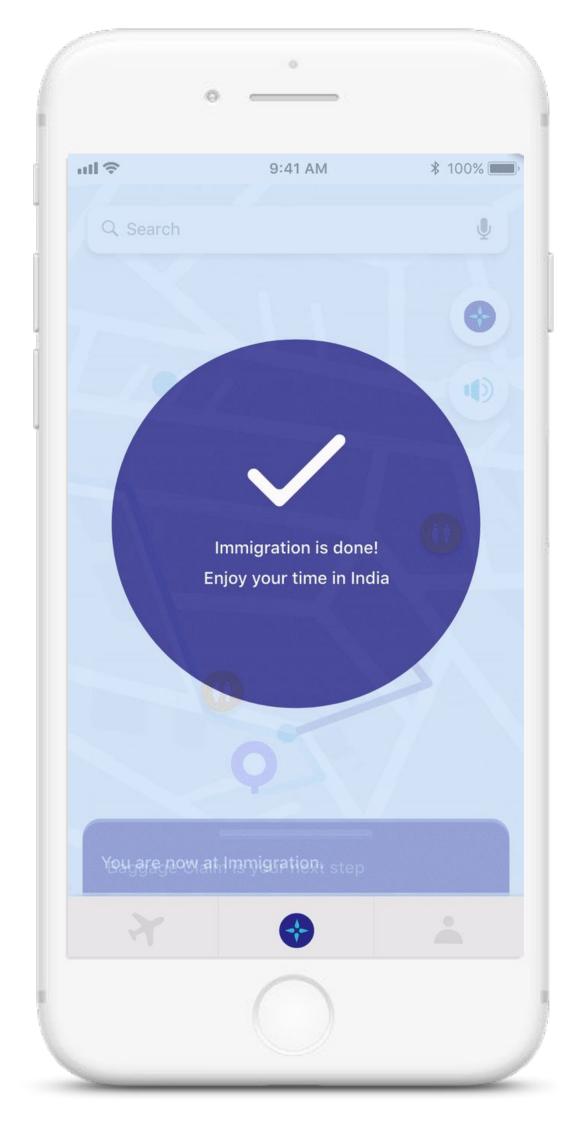


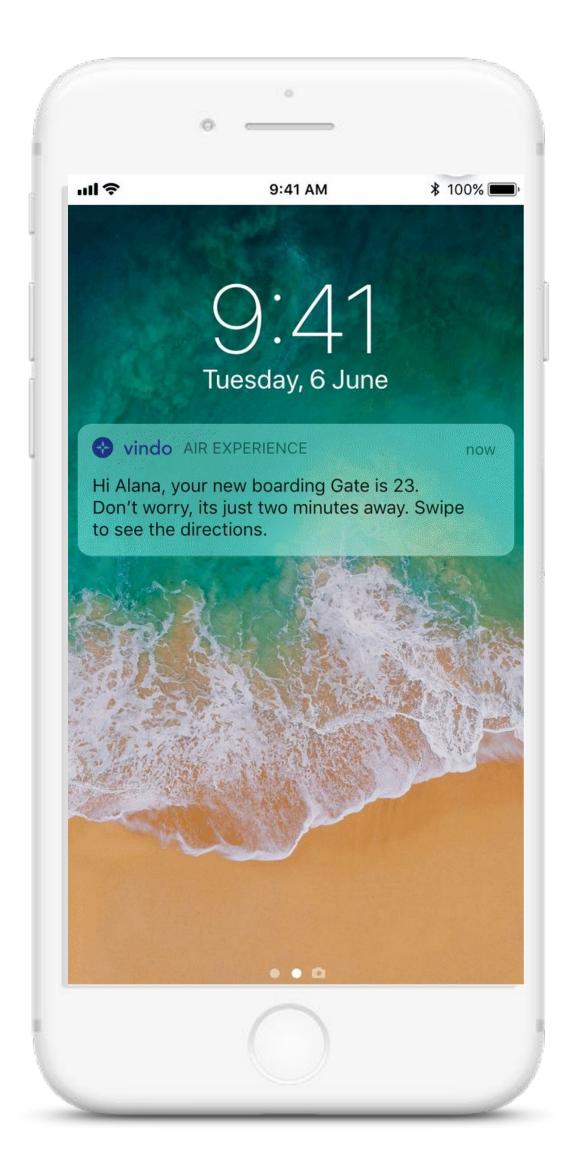


30

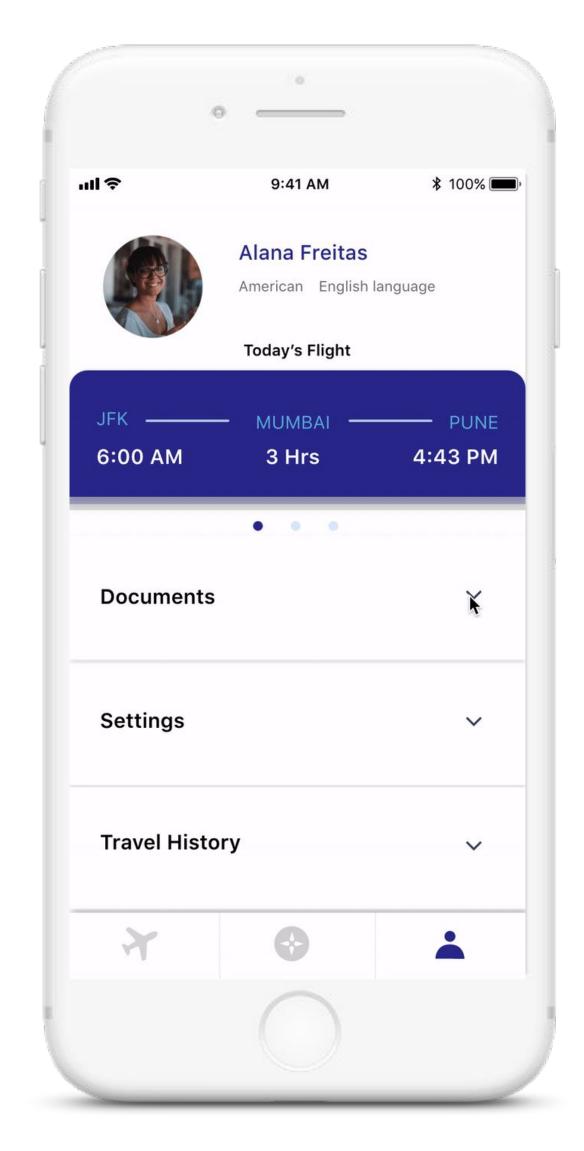
Welcome screens Flight Details and Overall Summary Map for Orientation

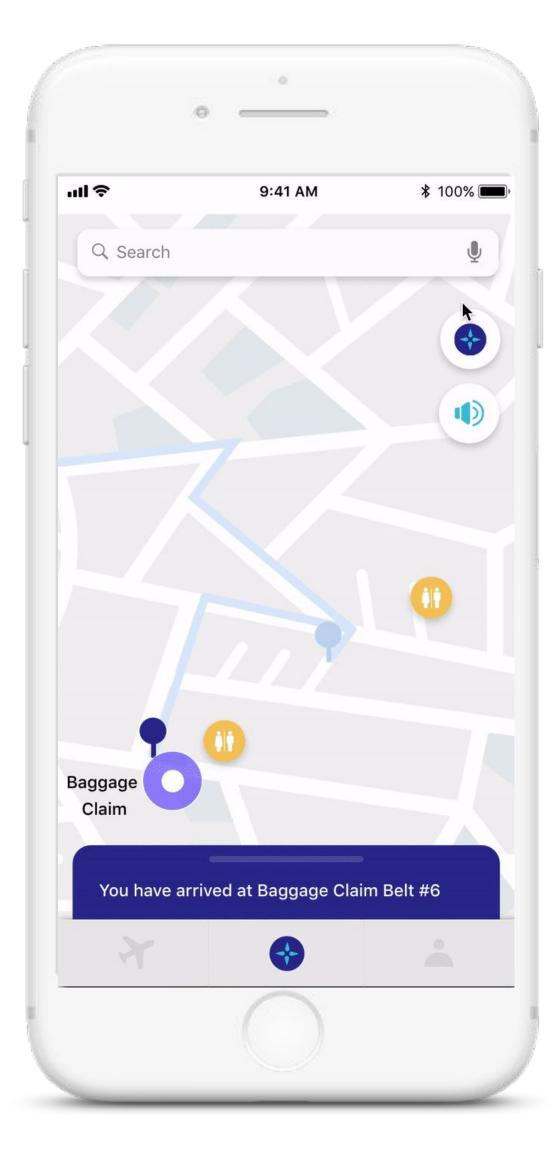
Final Screens

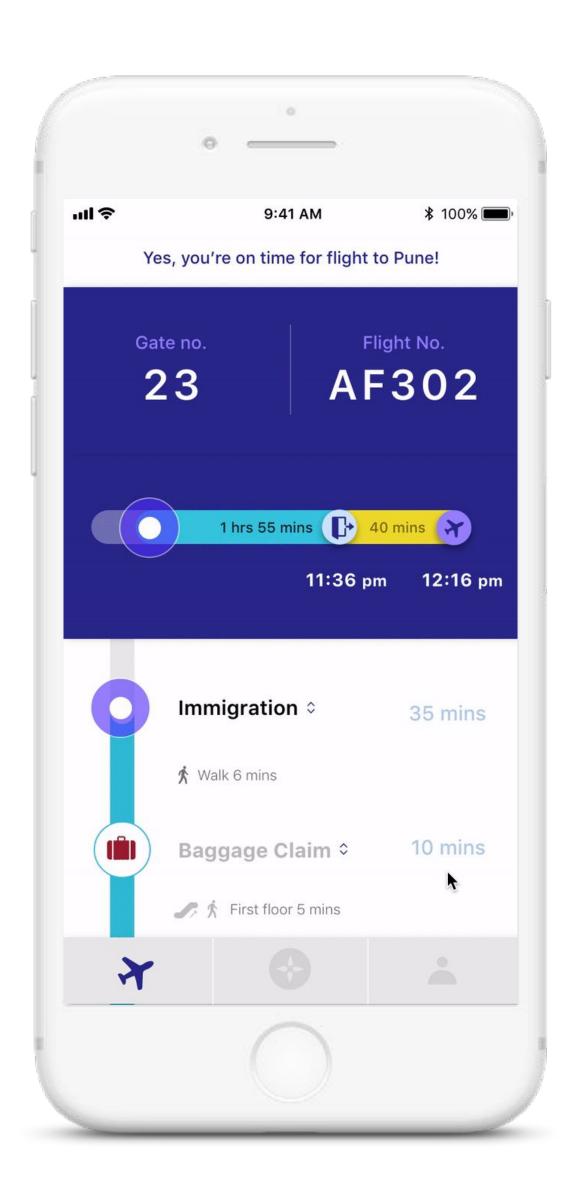




Final Screens





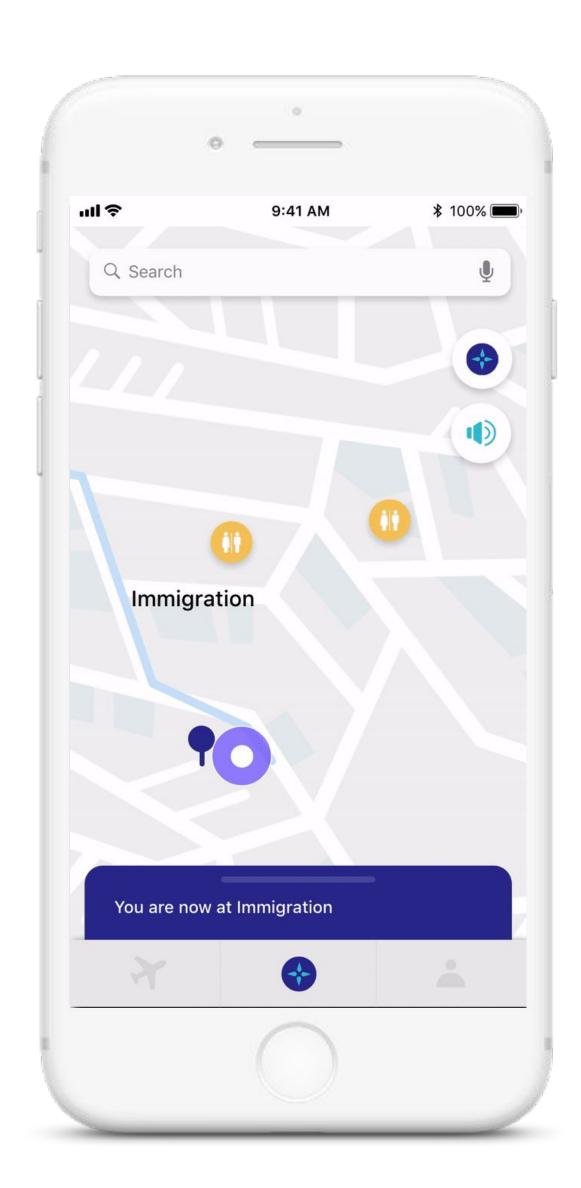


Local Navigation Systems

Enable users to explore the immediate stage

Can provide access to subsites

Different groups of people are responsible



Contextual Navigation Systems

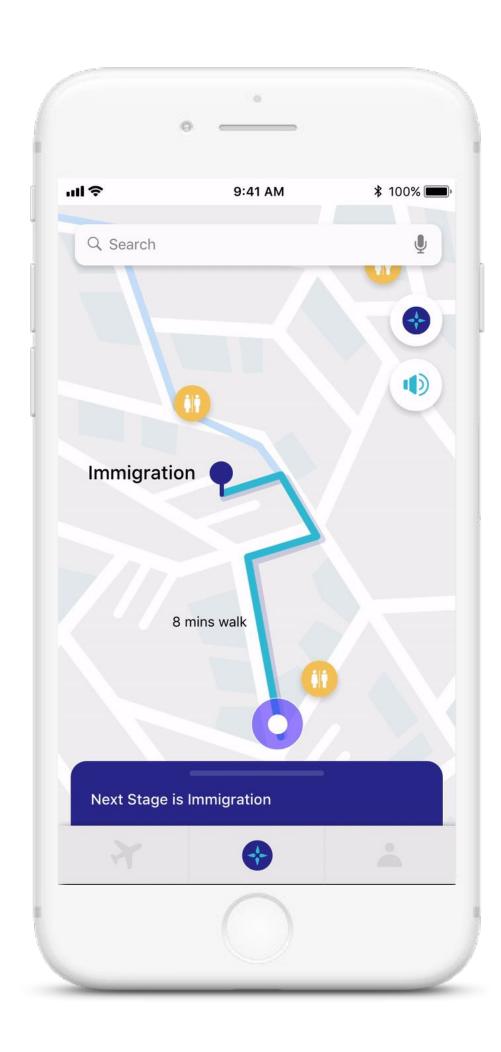
Inline contextual navigation links and information

Often miss or ignored information

Links at a dedicated area

Touch and Audio Interaction

FOR RESTROOM SCENARIO

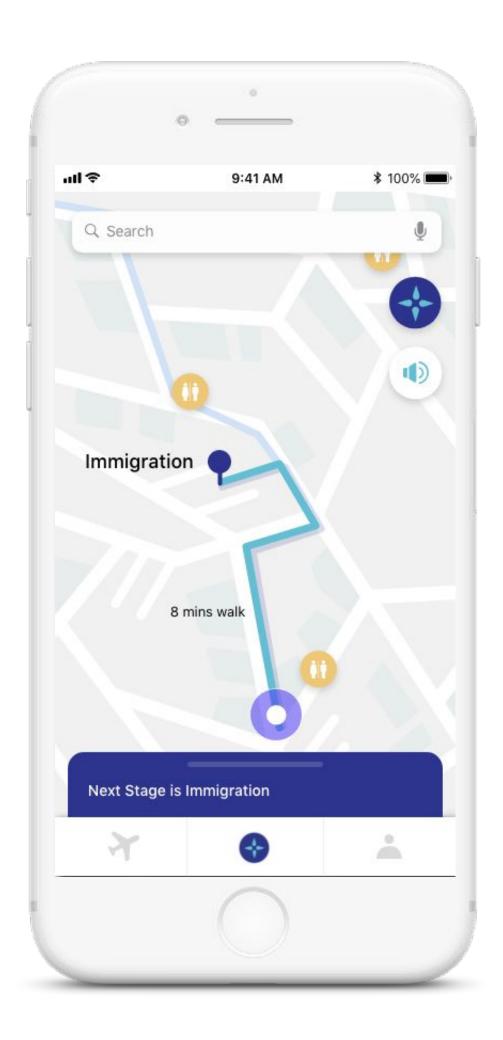




Touch Restroom Icon "Please turn right on the next corner"

Voice trigger-Screen Interaction

FOR RESTROOM SCENARIO (VOICE COMMAND)



VOICE TRIGGER

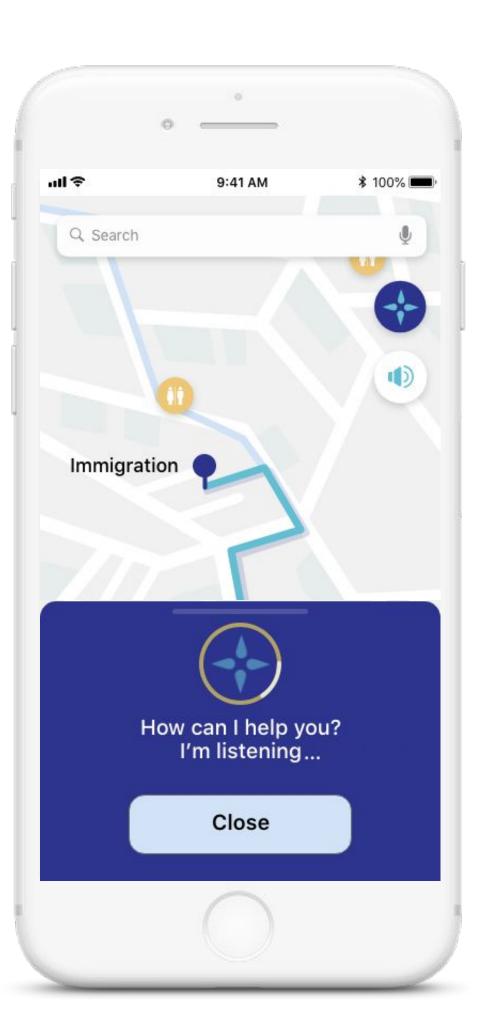
—

,

"Hey Vindo"

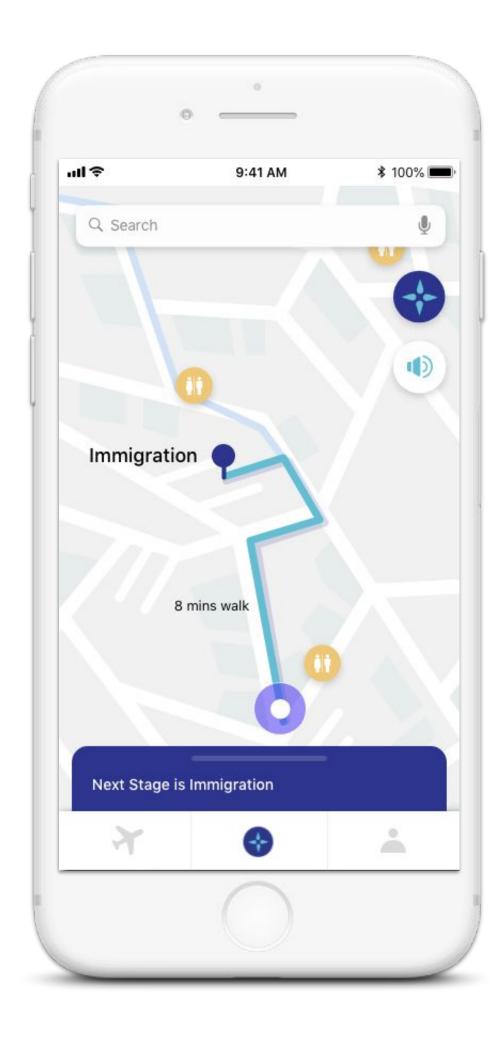
AUDIO RESPONSE

Trigger Sound



Voice and Audio Interaction

FOR RESTROOM SCENARIO (VOICE COMMAND)

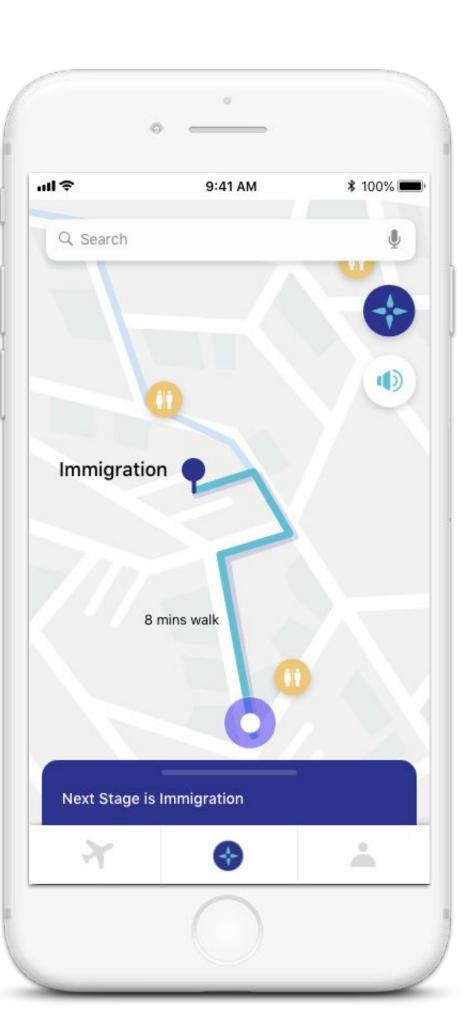


VOICE COMMAND

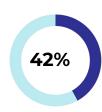
"Hey Vindo, please take me to the restroom"

AUDIO RESPONSE

"OK, Please turn right on the next corner"



The Facts



of participants claim that Airports make them feel stressed*



of participants avoid flying as consequence of their stressful experience*



Of participants don't feel well informed during their arrival and connecting experiences



48%



38%

The most stressful stages of their journey.

Security Checks Navigation

Immigration

Baggage

Research Key Insights



Passengers struggle to find support and other services when they need them.



Passengers feel angst of not knowing if they'll reach their connecting flights



Information Platforms like signage, and Flight Boards are perceived as inconsistent, disperse and inefficient.



Passengers feel often intimidated of interacting with custom agents and airport/airline staff



Passengers usually feel disoriented about locations and requirements

Market Trends

Is the IT Spend increase during in Airports and Airlines during last 2 years

900 0-0

Self- Service Solutions, Biometric Technology, Waiting Monitoring and wayfinding are the main technology related opportunities to passengers assistance



Check-Ins, Baggage Tracking, Sales and Notifications are the main areas of passenger experience that are being addressed

Opportunity Statement

International travelers want to be better informed and oriented during their airport experiences



VINDO is a Virtual-Assistant that assists passengers on their international connections and arrivals by providing real-time and context-based information. Reducing stress and uncertainty

Our Value Proposition



Confidence

Complete all procedures while being certain of the wait times, distances, locations and requirements.



Convenience

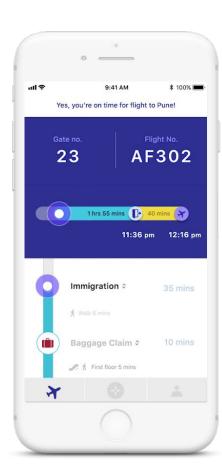
Vindo audio's assistant navigates passengers, keeps them well informed consistently thus saving time and giving a hands-free experience.



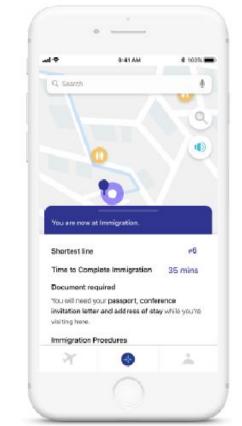
Comfort

Allow user to easily Discover different airport services based on their needs and preferences

Orientation



Audio Assistant & Voice Trigger

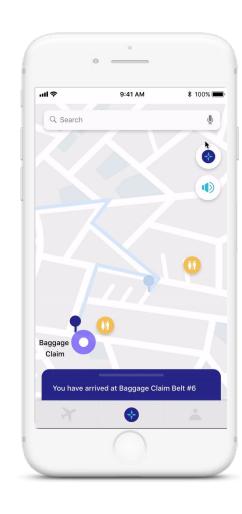


"Line #6 is the fastest line for you."

"Hey Vindo, where's the restroom?"

"Please turn right on the next corner."

Services



On-going Prototyping and Design Interactions

User test

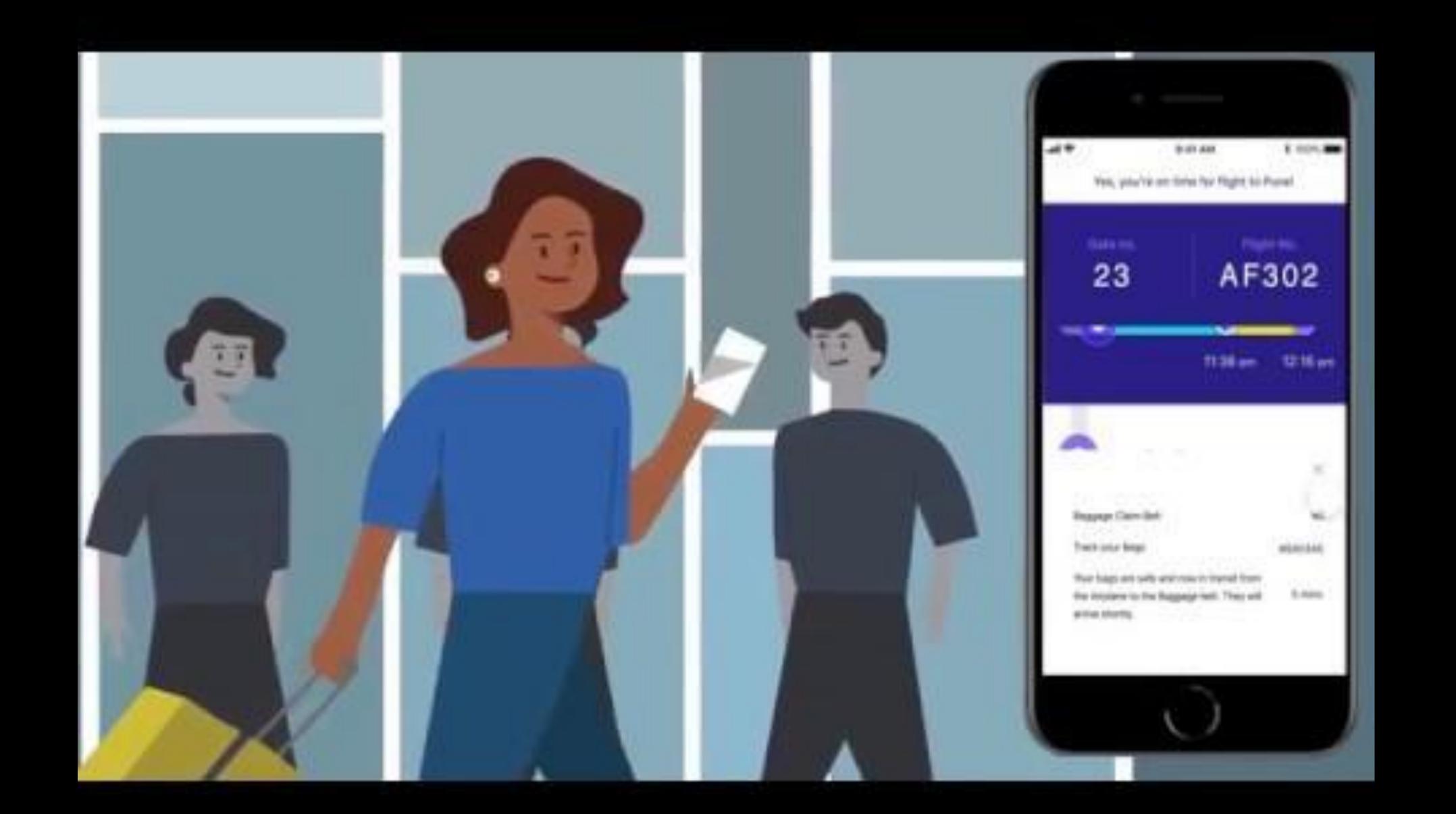
Profile Screen

Explore Labels and Categorization

Design and IA

Search Bar

More iteration between different types of interactions.



Thank-you