The Next Generation Storefront<sup>™</sup> is a UX & data standard that empowers consumers to make informed flight reservation decisions. NGS presents *like* options from different airlines taking the guesswork out of the customer journey. It allows travelers to compare apples to apples when shopping online.

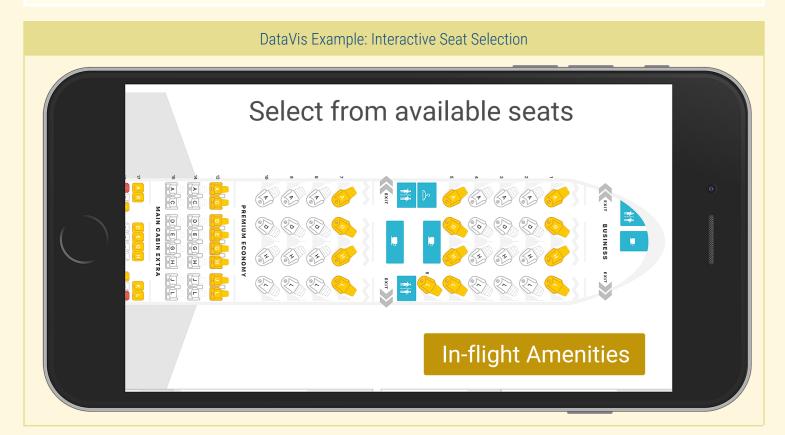
This document presents artifacts depicting an <u>NGS implemented design</u> for constructing an accessible, responsive, and progessive single-page booking app. This design is a startup travel, expense, and itinerary concierge platform that manages flight, car, and hotel reservations for corporate events.

While <u>Vue.js</u> is mentioned explicitly, any modern framework(s) may be implemented (Micro Frontend).

**Design Principles:** 

- ➤ Web APIs are preferred over native apps. For example, <u>web audio and vibration</u> are used to immerse the end user, making the experience <u>feel like a native app</u> without the install inersia.
- Data visualization charts and contextual infographics are made interactive and seamlessly integrated into the experience to support visual decision making.
- > Tasks are made accessible and satisfy WCAG 2.0 AA success criteria.
- Predictive workflow that encourages a favorable "look to book" ratio.

The resulting UX has been prototyped and thoroughly vetted via multiple rounds of <u>heuristic evaluation</u> by frequent travelers, travel arrangers, and other industry stakeholders.





#### Novice Use Persona



## Infrequent Traveler

I just want to make sure that I've reserved my flights properly and that I am getting the best value without sacrificing comfort and convenience.

Pain point: Navigating the unknown

Primary Device: Desktop

Advocacy: Passive NPS 4

## Expert Use Persona



## **Business Traveler**

I know how to get from point A to point B. I need an easy app that lets me save my preferences and find/filter based on what is important to me.

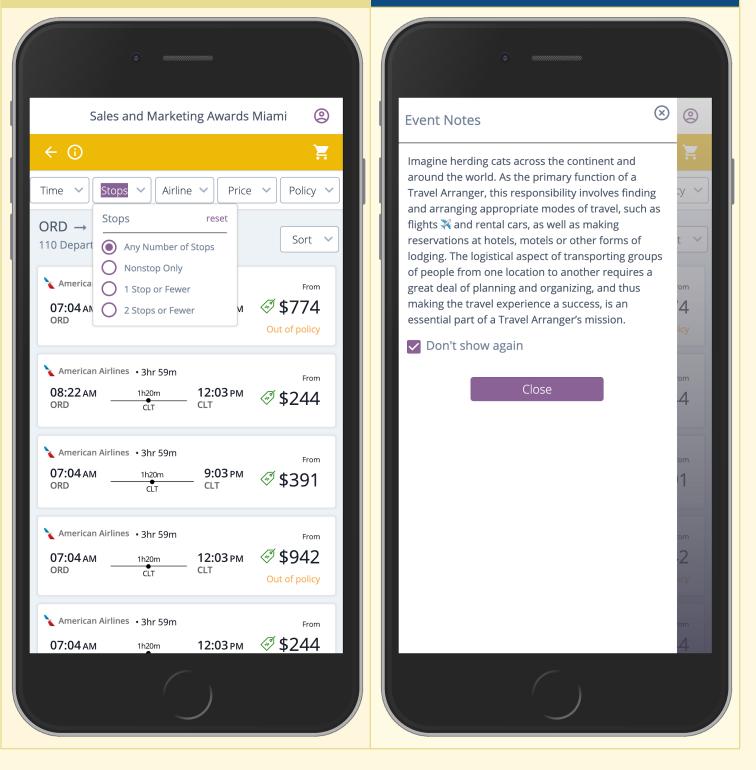
*Pain point:* Arbitrary rules that stop me from optimizing my travel

Primary Device: Smartphone

Advocacy: Influencer NPS 7

#### Mobile Product Selection

**Contextual Notes** 



# Vue.js Component Layout Definition

card-shelf-list-is-visible

Flight Card

<< subsystem	>>	FlightCar	d.vue		
lightOffer.vue					
FlightSummary.vue	FlightCabinet.vue				
	FlightShelf.vue	FlightShelf.vue	FlightShelf.vue	FlightShelf.vue	FlightShelf.vue
FlightShelfDetails.vue					
	FlightDrawerList.	vue			
FlightMedia.vue	FlightDra	wer.vue	FlightDrawer.vue	FlightDra	wer.vue
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FlightSegmentDetails.vue	e-task		card-she	elf-details-is	visible
FlightSegmentDetails.vue FlightSegmentDetails.vue Prop	<u>e-task</u> e-fare-basic e-is-domestic		card-she card-in- card-is-	-policy	s-visible

card-is-discount

## Off-line Travel Itineraries

## Predictive Caching Strategy

A copy of the user's itinerary is stored in cache so that It can be accessed when the mobile device is in <u>Airplane Mode</u>. This can become a very important feature when trying to catch a connecting flight while the app is unable to connect to its service.

