The Next Generation Storefront[™] 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.

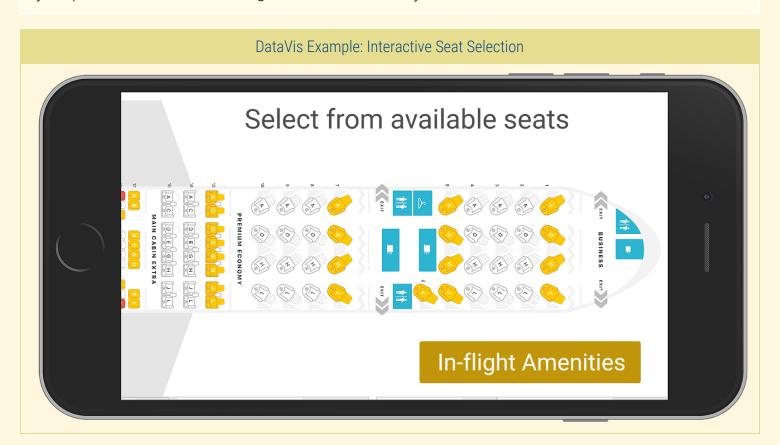
This document presents artifacts depicting an <u>NGS implemented design</u> for constructing an accessible, responsive, and progessive single-page booking app. This design is a startup travel, expense, and itinerary concierge platform that manages flight, car, and hotel reservations for corporate events.

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

Design Principles:

- ➤ Web APIs are preferred over native apps. For example, web audio and vibration are used to immerse the end user, making the experience <u>feel like a native app</u> without the install inersia.
- ➤ Data visualisation 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 heuristic evaluation by frequent travelers, travel arrangers, and other industry stakeholders.



Admin Persona

Travel Arranger

My travelers need easy to understand booking options with passive validation checks. I need smart communications so that I can avoid costly delays.

Pain point: Reluctant travelers who book at the

last minute

Primary Device: Laptop two monitors

Advocacy: Influencer NPS 8

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 @ Sales and Marketing Awards Miami Ä Time ~ Stops Airline V Price V Policy ~ reset Stops ORD → Sort 110 Depart Any Number of Stops Nonstop Only America 1 Stop or Fewer <**₹** \$774 07:04 AN 2 Stops or Fewer Out of policy 🔪 American Airlines 🛭 • 3hr 59m 08:22 AM 1h20m 12:03 PM ORD 🔪 American Airlines 🔹 3hr 59m 07:04 ам 9:03 рм 1h20m **₹391** ORD CLT 🔪 American Airlines 🛭 • 3hr 59m From 07:04 ам 12:03 рм 1h20m CLT Out of policy

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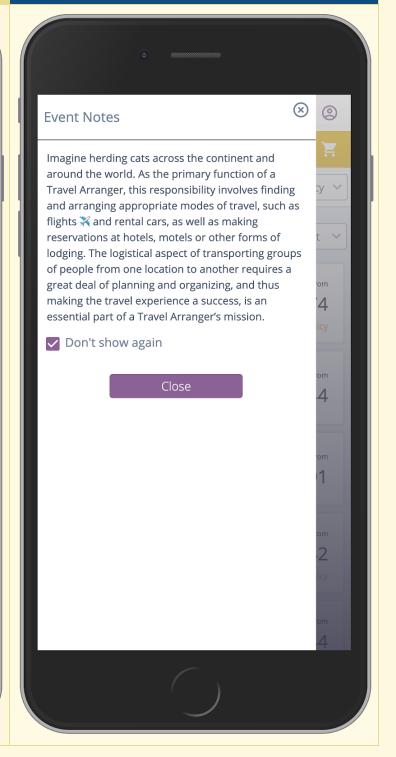
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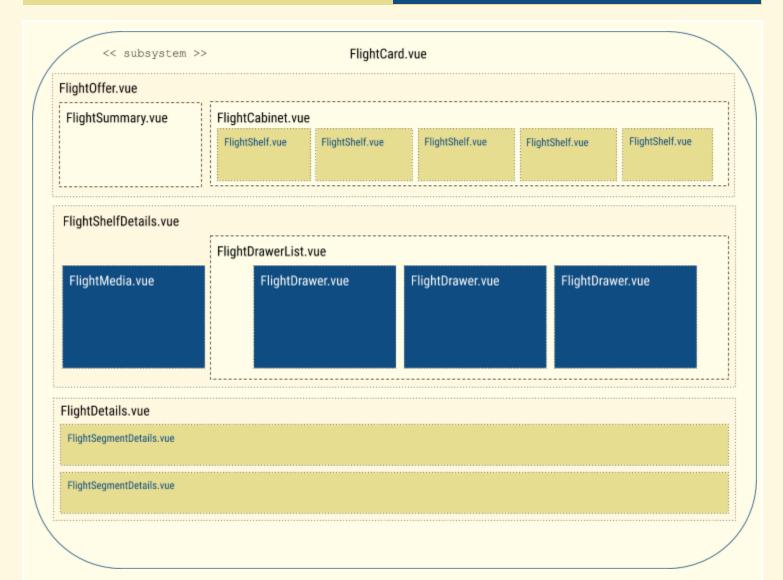
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Contextual Notes





Prop Emit Vuex page-task

page-fare-basic
page-is-domestic
list-out-policy-show
card-shelf-list-is-visible

card-shelf-details-is-visible
card-in-policy
card-is-red-eye
card-is-overnight
card-is-discount

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

