

Hawaiian Airlines Web Modernization

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Hawaiian Airlines

Connecting people with Aloha

With *over 90 years of continuous service*, Hawaiian Airlines is the largest operator of commercial flights to and from the U.S. state of Hawaii and is *Hawaii's biggest and longest-serving airline*.

HawaiianAirlines.com

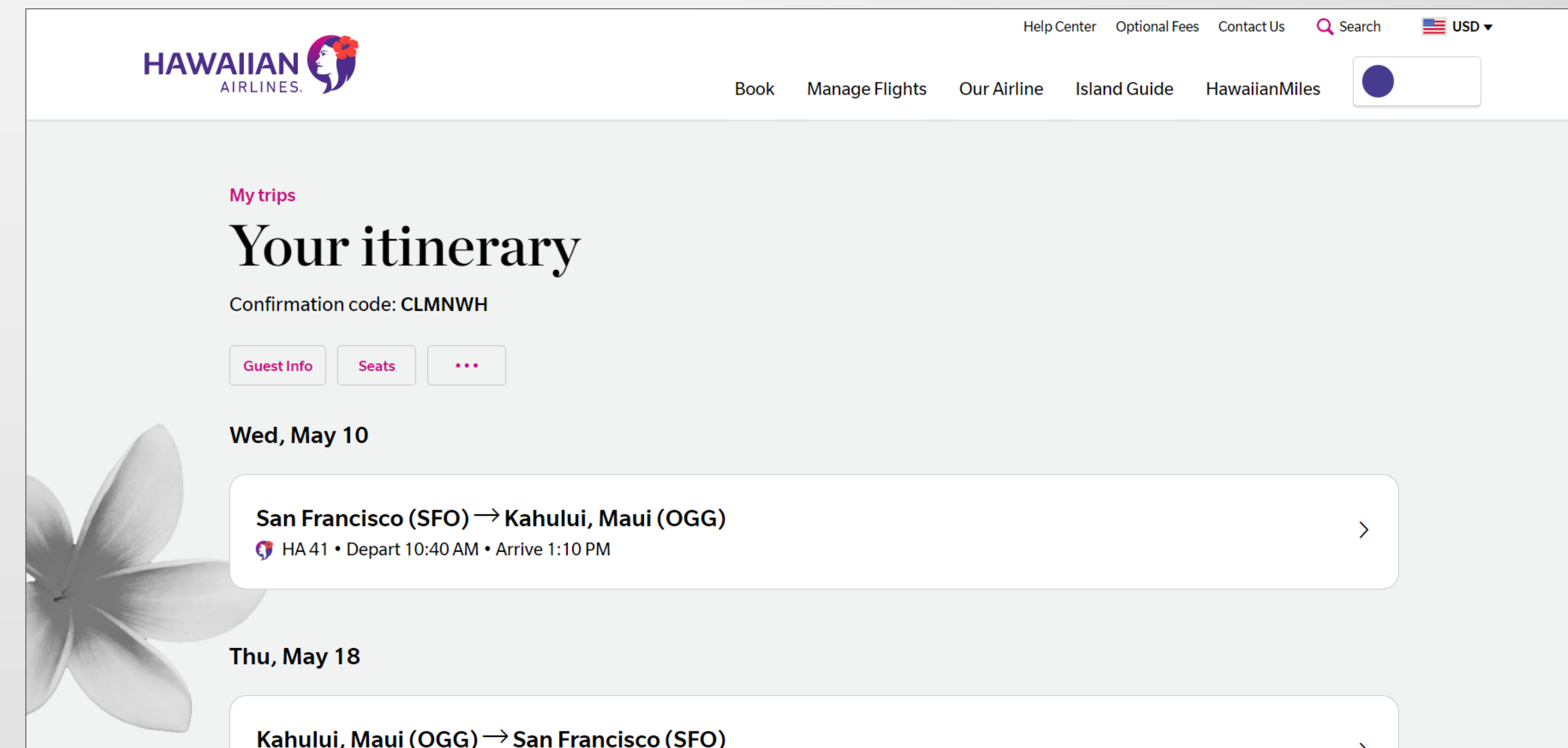
- The Hawaiian Airlines website *provides guests with the ability to book and manage their flights* and view details about the state of Hawaii
- The majority of tickets are booked through the website
- A large number of guests perform check-ins using the website

Web Modernization

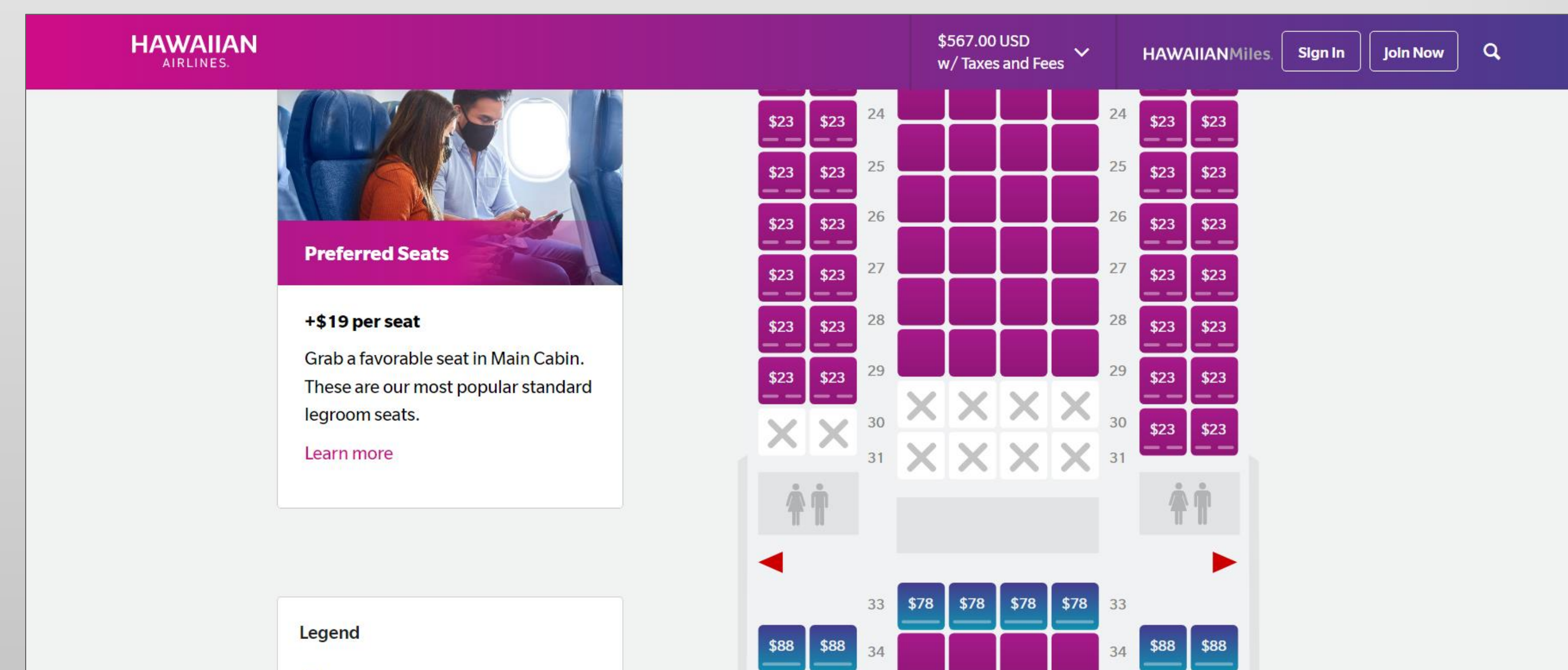
Motivation

The purpose of the project is to replace the legacy website. Issues include:

- Deprecated technologies* increasing the risk of *security vulnerabilities* and *lack of experienced developers*
- Complex design* leading to issues, such as *low reusability, testing*, etc.
- PSS change* means *touching the code*



My Trips SPA with an example itinerary



Shopping SPA on the seat selection page

Agile Methodology

Development Process & Team

- Scrum* based development methodology, with daily standup sessions and a scrum master
- Grooming sessions* for developers for estimation and sprint planning
- Retrospective meetings* to reflect on past sprints or milestones
- Team: Manager, Business Analyst, Software Development Engineers

Accomplishments

My Trips SPA

This post-purchase application lets guests *view and update details about their upcoming itinerary(s)*. Task accomplished include: *Implementation, testing, and bug-fixing* the following components: Itinerary, Flight Details, Guest Info, and Confirmation Page

Shopping SPA

This feature is part of the main web application that guests *utilize to book a ticket, from flight-search to review-and-payment*. Task accomplished include: *Implementation, testing, and bug-fixing*

Chat Feature

This feature enables guests to *interact with customer service representatives* via an online chat-based feature. Task accomplished include: Working with the business and Live Chat team to *elicit, elaborate and clarify requirements* (e.g., creating user stories)

