

## WCAG Assessment Airlines Website

### Requirement :

- According to **D.O.T. Final Rule**, assess and revamp airlines website to comply with WCAG 2.0 Level AA
- Whole website includes **400+ pages**,4 languages(including English, Chinese Simplified, Chinese Traditional and Japanese)
- The website divides into 2 parts:
  - ◆ Part 1: Webpages which can get the complete codes
  - ◆ Part 2: Webpages which cannot provide the codes
- Should be compatible with the popular browsers
- Involve disabilities to perform the usability test

### Beyondsoft Solution :

- Make plan based on stakeholders' schedule
- Setup the efficient cooperation process
- Plan B for main risk
- For part 1, modify the codes directly
- For part 2, provide code level solution
- For some pages:
  - ◆ Select other technology
  - ◆ Re-design webpages
  - ◆ Make templates
- Invite disabilities who know English ,Japanese and Chinese for usability test

### Project Summary:



- 2 PMs + 1 WCAG expert + 2 front-end experts + 15 Consultants + 5 developers
- Achieve the goal in time
- Duration: 5 months – Complete all page assessment and provide the solution for more than 5000 non-conformances
- Provide formal assessment report

#### **Involved Technology :**

- Debug tools
- Automation tools: WAVE, aXe, ContrastChecker, etc.
- Assistive technology: NVDA, JAWS, VoiceOver, etc.

#### **Challenge:**

- Zero accessibility support
- Tight schedule
- Multi-party communication
- Non-native front-end codes increase the difficulty of revamp

#### **Business Benefit:**

- Meet the law of USA, avoid high fines
- Allow to sell tickets in American market
- Help the disabilities access website and help customer win more market share

