

J A C K 's Travel

Johnny Solache

Arianna Brisco

Colton Proplesch

Klayton Pagel

Key Features & Innovative Solutions

Problem:

- We all get into a routine and just go to the same places, doing the same things, and get in a rut.

Our Solution:

- JACK's Travel at jacktravel.org
- Web-based application built with React and Django
- Hosted with AWS
- Mobile-first design
- Accessibility as forethought
- Fun, Cute, & 2000's Aesthetic

Frameworks, Tools, & Technologies

- Front End
 - React – Bootstrap
 - JavaScript, CSS
- Infrastructure
 - GitHub
 - AWS
- Back End
 - Django
 - SQL Lite
 - Google Places API
 - Python

Accessibility

Tools Used

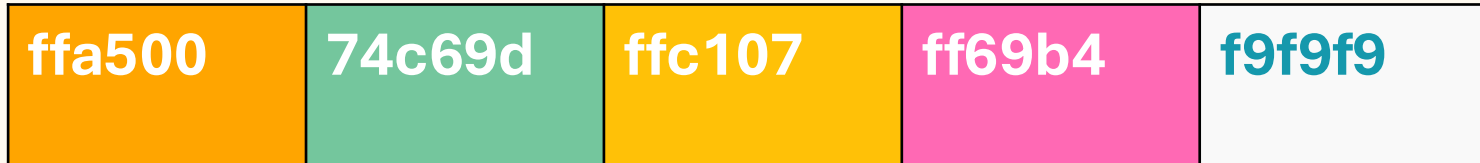
- WCAG & WebAIM
 - Web Content Accessibility Guidelines
 - Web Accessibility in Mind
- WAVE
 - Web Accessibility Evaluation Tool

What Users See

- Hideable Sidebar
 - Themes
 - Default
 - Dark
 - High Contrast
 - Sepia
 - Font Sizes
 - Default
 - Large

Accessibility - Color Scheme

Coolors.co - Pastel palette



Foreground Hex Value: #FF69B4
Color Picker: [Color Picker]
Alpha: 1
Lightness: [Slider]

Background Hex Value: #FFFFFF
Color Picker: [Color Picker]
Lightness: [Slider]

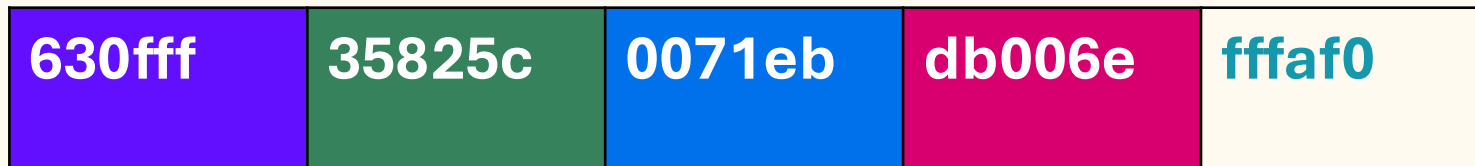
Contrast Ratio: **2.64:1**

Text Size: Normal

Sample: [Sample]

WCAG AA: **Fail**
WCAG AAA: **Fail**

WAVE – Contrast Tool



Foreground Hex Value: #DB006E
Color Picker: [Color Picker]
Alpha: 1
Lightness: [Slider]

Background Hex Value: #FFFFFF
Color Picker: [Color Picker]
Lightness: [Slider]

Contrast Ratio: **4.95:1**

Text Size: Normal

Sample: [Sample]

WCAG AA: **Pass**
WCAG AAA: **Fail**

Sidebar

[Home](#)

Accessibility Options

Themes

Default

Dark

High Contrast

Sepia

Fonts

Default

Large Font

Username

Enter username

Password

Enter password

Login

Sign Up

Hide Accessibility

WAVE Report

jacktravel.org

WAVE

powered by WebAIM

web accessibility evaluation tool

Styles: OFF ON

Summary

Summary

Details

Reference

Order

Structure

Contrast

0

Errors

0

Contrast Errors

1

Alerts

1

Features

6

Structural Elements

1

ARIA

View details >

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

Infrastructure

- Django
- AWS
- Custom domain
- Automatic updates for main branch

API & Search

- Google Places API
- Main benefits:
 - All in one
 - Reliable
 - Documentation
- Features:
 - Location based
 - Autocomplete
 - Pictures

Database

- SQL Lite
- API integration – jacktravel.org/api
- Store:
 - username
 - Password
- Infrastructure built to store additional information:
 - Email
 - Theme preferences
 - Category preferences
 - Favorites
 - User, staff, superuser

Challenges

- Scheduling
 - Jobs
 - Heavy course load
 - Outside commitments
 - Balancing of weekly assignments & semester-long project
- Delayed progress
- Unfamiliar tasks

Future Development

- Hot List
- Filtering for Food, Events, Places
- Ratings & Reviews
- Accessibility
 - Custom theme
 - User testing

Code & Live Demo

jacktravel.org