[united.com](http://united.com) Test Specification

# Last Edited By:

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# Testing Approach

Given that this project is based on an existing web application with no requirements documentation, the scope of testing will be based on functionality and assumed use cases. I will be playing the role of a user trying to search for a flight using the [united.com](http://united.com) site. Test case scenarios will be created based on exploratory testing of the “Book Travel” form on the home page. I will be interacting with the fields and record any observed behaviors with the assumption that all results are as designed unless an obvious defect is found. To ensure coverage of this feature I will be performing the tests based on the specification below.

# Feature Description

The Book Travel feature allows users to fill in flight details to find a list of available United Airlines flights that match their criteria.

# Test Resources

Windows PC or VM

* Windows 7 with latest updates
* Internet Explorer and Chrome with latest updates

Mac Computer or VM

* Mac OS 10.12.x with latest updates
* Chrome and Safari with latest updates

Android Tablet and Phone

* Android OS 7.1.x with latest updates
* Chrome with latest updates

iPad and iPhone

* iOS 10.x with latest updates
* Safari with latest updates

# Included Scenarios

* Flight option with Roundtrip selected
* Form functionality (edit fields and submit)
* Airport smart search
* Calendar picker
* Free form date entry variations (“12/25/2017”, “Dec 25, 2017”)
* Checkbox logic (“My dates are flexible”, “Search for Award Travel”)
* Results page should have the correct departure date, departure airport and arrival airport

# Excluded Scenarios

* Hotel, Car, Cruise, or Vacation options
* One-Way, multi-City, or recent searches options
* All Search Options page
* Changed Bag rules page
* Found flight results
* Responsive design (site is not responsive)

# Test Areas

* 1. Functional Tests

Good Path

* + - Searching for a non-stop flight using specific manually entered depart and arrival dates
    - Searching for a non-stop flight using flexible depart and arrival dates
    - Searching for a flight using specific depart and arrival dates and has award travel
    - Searching for a flight using specific depart and arrival dates entered via calendar
    - Departure and Arrival airport smart search results
    - Cabin type dropdown updates options based on selection of award travel box
    - Travel dates field type updates based on selection of my dates are flexible box
    - Passenger count based on increment and decrement of differing traveler type categories
    - Searching for a flight in the past should via calendar be disabled
    - Searching for a flight greater than 11 months (estimated) in the future via calendar should be disabled

Negative Path

* + - Searching for a flight using specific manually entered depart and arrival dates that are invalid
    - Searching for a flight with non-valid airport codes
    - Searching for a flight with non-valid airport city
    - Searching for a flight with 0 travelers
    - Searching for a flight without all required fields
  1. Accessibility Tests
     + Images should all have alt text descriptions
     + Tab index of fields is in a logical order
     + Site when rendered in grayscale does not lose usability
  2. Globalization
     + Form renders with appropriate language when locale is changed
     + Calendar updates to match date/time format of selected locale
     + Free form entry of date is properly captured based on locale (“12/25/2017”, “25/12/2017”)
     + Form layout and readability when locale is changed

# Test Cases

**Scenario**:

Searching for a non-stop flight using specific depart and arrival dates

**Pre-Conditions:**

1. User has a browser open to https://www.united.com/ual/en/us/

**Test Steps:**

1. Enter the origin airport code “pdx" into the “From” field
2. Enter the destination airport code “lax” into the “To” field
3. Enter a departing date "Dec 24, 2017” into the “Depart Date” field
4. Enter a returning date "Dec 25, 2017” into the “Return Date” field
5. Set the number of Adult Travelers to 4 from the travelers dropdown
6. Select "Business or First" from the cabin class dropdown
7. Check the “Nonstop” checkbox
8. Click the “Search” button

**Expected Results:**

1. Processing overlay is displayed for a few seconds
2. User is redirected to a results screen
3. Departure date is displayed and correct
4. Departure airport code, city and state are displayed and correct
5. Arrival airport code, city and state is displayed and correct

**Scenario**:

Searching for a flight without any travelers

**Test Steps:**

1. Enter the origin airport code “pdx" into the “From” field
2. Enter the destination airport code “lax” into the “To” field
3. Enter a departing date "Dec 24, 2017” into the “Depart Date” field
4. Enter a returning date "Dec 25, 2017” into the “Return Date” field
5. Set the number of Adult Travelers to 0 from the travelers dropdown
6. Click the “Search” button

**Expected Results:**

1. User is presented with error message “Please select the number of travelers.”
2. Departure date is not displayed
3. Departure airport code, city and state are not displayed