

# FRONT END DEV TEST INSTRUCTIONS

## Overview

You will be consuming the Star Wars API to show some items in a list. The list will be sortable, and will be searchable. Your work will be done in a CodePen and will be limited to 3 hours. We are looking to evaluate your front-end dev skills in HTML, CSS, and JS.

### What we are looking for:

- ▶ Attention to detail
- ▶ Approaches to pulling data from the API via JavaScript
- ▶ Approach to rendering the results and different states
- ▶ Well-crafted HTML
- ▶ Re-usable CSS and JavaScript
- ▶ Approach to using libraries/utilities as an assistive tool
- ▶ Responsiveness (smartphone portrait/320px and up)
- ▶ Adding your own touch through animations and transitions

### What we are not looking for:

- ▶ Browser testing (we'll be reviewing in Chrome only)
- ▶ Completing some of everything with nothing 100% done
- ▶ Perfection

## Instructions

- ▶ Login or create a free CodePen account at <https://codepen.io/>
  - Create a new CodePen for the exercise
  - Can use any JavaScript preprocessor available in CodePen
  - Can use any JavaScript library available in CodePen or add any external resource
  - Can use any CSS preprocessor available in CodePen
  - Can use any CSS libraries available in CodePen or add any external resource
  - Can use any HTML preprocessor available in CodePen

- Include the Font Awesome icon font in your CodePen (<https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css>)
- Include the Titillium Web font from Google Fonts (<https://fonts.googleapis.com/css?family=Titillium+Web:200,600>)
- Email the CodePen link to [zwinnie@mercurynewmedia.com](mailto:zwinnie@mercurynewmedia.com) letting us know you're starting the test
- Take the test following the functionality/acceptance criteria below
- The test is limited to 3 hours
- Email Mercury again when 3 hours is complete
- Do not edit your CodePen past 3 hours

## Functionality/Acceptance Criteria

- ▶ Show the first 10 people from <http://swapi.co/api/people/>
  - These people should include:
    - Luke Skywalker
    - C-3PO
    - R2-D2
    - Darth Vader
    - Leia Organa
    - Owen Lars
    - Beru Whitesun lars
    - R5-D4
    - Biggs Darklighter
    - Obi-wan Kenobi
  - Each person should show:
    - Name
    - Height
    - Mass
    - Gender
    - Species
      - If a droid, show the Font Awesome Android icon
      - If a human, show the Font Awesome user circle icon
      - If any other species, show the Font Awesome question mark
- ▶ Show error state if the API is down

- Show the Font Awesome exclamation circle icon
- ▶ Search (by name) and show the first results page from <https://swapi.co/api/people/?search=>. Example query would be <https://swapi.co/api/people/?search=luke>, which returns 1 result (Luke Skywalker)
  - Show the loading state while the request is processing
    - Show the Font Awesome spinner icon
  - The search results list should look like the default 10 people shown
  - Display the current search query in the search input
  - Searching should clear the sorting selection
  - Clearing the search input should show the first 10 people again
- ▶ Show empty state if there's no results from the search API
  - Show the Font Awesome warning icon
- ▶ Sort the order of the results currently shown by name (A to Z, or Z to A)
  - The first option value should be empty, and if chosen, clear sorting back to no sort
  - Searching should clear the sorting selection

## Extra Credit

- ▶ Pagination for the basic list
- ▶ Pagination for search results
- ▶ Show the number of results (i.e., 10 of 87)