

Practical Code Challenge

Overview

Create a web application front end for listing your favourite Wikipedia articles.

App Specs

- You're free to choose any JavaScript framework, but provide reason on your selection.
- Consider Edge case scenarios.
- Use as much or as little external resource as you see appropriate.

Note: Template for the UI is provided.

UI Requirements

Home View

A view for users to make a list.

- Article input - allows user to enter article name. An autocomplete is provided.
(Hint: use <datalist>)
- Description – a disabled input that shows article summary.
 - INVALID if article name is incorrect, or repeated.
- Actions – a button for user to remove an article.
- Counter – a counter to show total items (if 0 – “No items”, else – “N items”).
- Submit – clicking on this shows Result view.
- The article list must auto increment as user starts filling up.

Result View

Shows list of your favourite articles, with its summary and a link to Wikipedia page.

API Data

Data can be retrieved from Wikipedia

```
https://en.wikipedia.org/w/api.php?action=query&format=json&origin=*&uselang=user&prop=extracts%7Cpageprops%7Cinfo&generator=prefixsearch&redirects=1&exsentences=1&exintro=1&explaintext=1&inprop=url&gpssearch=STAR
```

Data attributes

- Title – user *title*
- Description
 - Home View- user *wikibase-shortdesc* if available, else *extract*
 - Result View – user *extract*
- Link - fullurl

Some edge case scenarios

- Only article with description can be selected
- An article cannot be repeated. (autocompleted should reflect this)
- API does not always return data in correct order, needs to be corrected in autocomplete
- Hide *disambiguation* articles, check for *pageprop.disambiguation* in API data.

Preview

Home View

My Wiki List

Article	Description	Actions
<input type="text" value="Star"/>	<input type="text" value="Astronomical spheroid of plasma"/>	<input type="button" value="Delete"/>
<input type="text" value="Star Wars"/>	<input type="text" value="Epic science fantasy space opera franchise"/>	<input type="button" value="Delete"/>
<div><div>star ▼</div><div><div>Star Wars: The Rise of Skywalker</div><div>Star Trek</div><div>Star Wars (film)</div><div>Starbucks</div><div>Star Wars: The Last Jedi</div><div>Star Trek: Picard</div><div>Star Wars: The Force Awakens</div><div>Star Trek: The Next Generation</div></div></div>	<input type="text" value="INVALID"/>	<input type="button" value="Delete"/>
	<div>3 items</div> <div><input type="button" value="Submit"/></div>	<input type="button" value="Delete"/>

Result View

My Wiki List

Star

A star is an astronomical object consisting of a luminous spheroid of plasma held together by its own gravity.

<https://en.wikipedia.org/wiki/Star>

Star Wars

Star Wars is an American epic space-opera media franchise created by George Lucas, which began with the eponymous 1977 film and quickly became a worldwide pop-culture phenomenon.

https://en.wikipedia.org/wiki/Star_Wars

Star Wars: The Rise of Skywalker

Star Wars: The Rise of Skywalker (also known as Star Wars: Episode IX – The Rise of Skywalker) is a 2019 American epic space opera film produced, co-written, and directed by J. J. Abrams.

https://en.wikipedia.org/wiki/Star_Wars:_The_Rise_of_Skywalker