HOLY GRAIL PATERNS

BAR CHARTS AND AUTOCOMPLETE

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Bar Charts

GRAPHS ARE VISUAL









TABLES ARE BORING...

Top Grossing Movies of 2008							
Rank	Movie	Distributor	Genre	MPAA	2008 Gross	Tickets Sold	
1	The Dark Knight	Warner Bros.	Action	PG-13	\$512,374,922.00	74,473,099	
2	Iron Man	Paramount Pictures	Action	PG-13	\$318,022,539.00	46,224,206	
3	Indian Jones and the Kingdom of the Crystal Skull	Paramount Pictures	Adventure	PG-13	\$316,244,191.00	45,965,725	
4	Hancock	Sony Pictures	Action	PG-13	\$ 227,946,274.00	33,131,726	
5	WALL-E	Buena Vista	Comedy	G	\$219,433,299.00	31,894,375	
6	Kung Fu Panda	Paramount Pictures	Adventure	PG	\$ 214,265,067.00	31,143,178	
7	Horton Hears a Who	20th Century Fox	Adventure	G	\$154,529,187.00	22,460,638	
8	Sex and the City	New Line	Comedy	R	\$152,600,147.00	22,180,254	
9	The Chronicles of Narnia: Prince Caspian	Buena Vista	Adventure	PG	\$141,614,023.00	20,583,434	
10	Mamma Mia!	Universal	Musical	PG-13	\$136,668,530.00	19,864,612	
11	The Incredible Hulk	Universal	Adventure	PG-13	\$134,533,885.00	19,554,344	
12	Wanted	Universal	Action	R	\$134,178,500.00	19,502,689	
13	Get Smart	Warner Bros.	Comedy	PG-13	\$128,610,088.00	18,693,327	
14	Juno	Fox Searchlight	Comedy	PG-13	\$117,477,046.00	17,075,152	
15	The Mummy: Tomb of the Dragon Emperor	Universal	Adventure	PG-13	\$100,655,710.00	14,630,190	
16	You Don't Mess With the Zohan	Sony Pictures	Comedy	PG-13	\$100,018,837.00	14,537,622	
17	Step Brothers	Sony Pictures	Comedy	R	\$ 99,482,654.00	14,459,688	
18	Tropic Thunder	Paramount Pictures	Comedy	R	\$ 97,712,057.00	14,202,334	
19	Journey to the Center of the Earth	New Line	Adventure	PG	\$ 96,742,056.00	14,061,345	
20	National Treasure: The Book of Secrets	Buena Vista	Adventure	PG	\$ 94,886,090.00	13,791,583	







CURRENT METHODS

Image with description

Graph + table

Javascript plugins







OUR SOLUTION

- HTML
- CSS
- No JS
- It's only a table!!

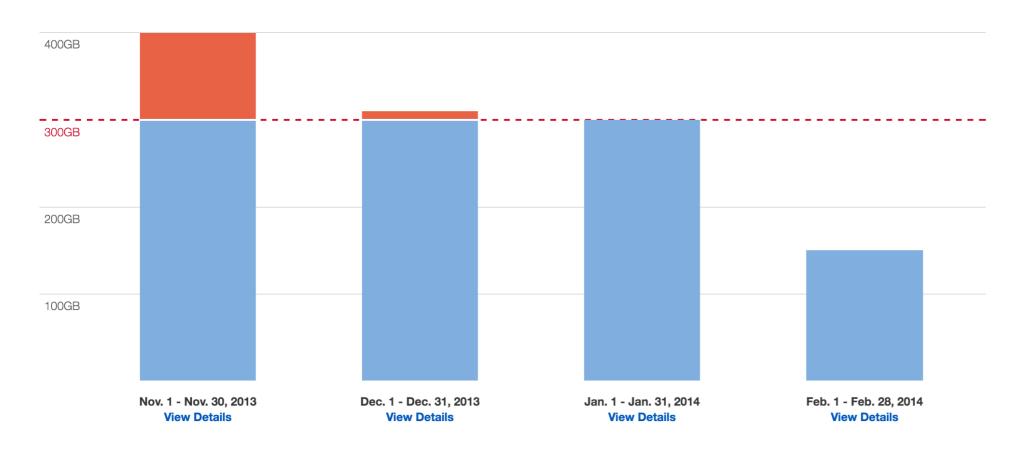






SOLUTION EXAMPLE

http://haltersweb.github.io/Accessibility/barchart.html









Code:

```
< t.d >
     <span data-value="400" style="height: 360px; margin-top: 0px;">
      <span class="usage">
        400gb
        <span class="screen-reader-text">out of 300gb</span>
      </span>
      <span class="overage" style="height:90px;"></span>
    </span>
   ...
   ...
   ...
```







CODE: <thead>







CODE: left labeling and tide-line

```
<div class="barchart-background" aria-hidden="true">
 <div class="increment" data-grid-value="400" style="height:90px;">
    <span class="label">400gb</span>
  </div>
 <div class="increment" data-grid-value="300" style="height: 90px; border: none;">
   <span class="label">300gb</span>
  </div>
 <div class="increment" data-grid-value="200" style="height:90px;">
   <span class="label">200gb</span>
  </div>
  <div class="increment" data-grid-value="100" style="height:90px;">
   <span class="label">100gb</span>
  </div>
 <span class="plan-limit" style="margin-bottom:270px;">
   <span class="label">300gb</span>
  </span>
</div>
```







Autocomplete

SOLUTION EXAMPLE

http://haltersweb.github.io/Accessibility/autocomplete.html

ACCESSIBLE AUTOCOMPLETE

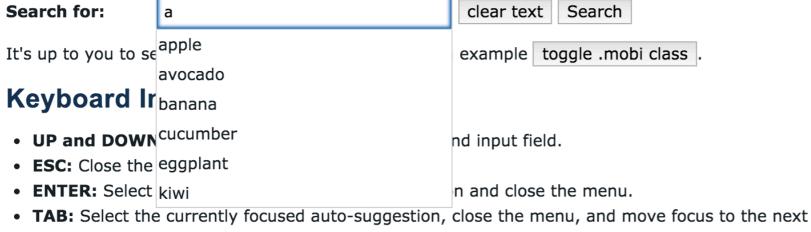
View the full library of accessibility solutions.

This is an accessible autocomplete which works with keyboard, screen readers, switch devices, and touch screens.

Example

This solution is written in jQuery using fake data. Future TODOs: 1) write in vanilla JS 2) instantiation.

NOTE: type any letter to get 6 results. Any 2 letters gives you 3 results; 3 letters gives you 1 result.



focusable element.







GOALS

Keyboard accessible

Mobile accessible

Enough screen-reader feedback







KEY ARIA

INPUT:

- aria-describedby="initinstr"
- aria-owns="results"
- aria-expanded="false"
- aria-autocomplete="both"
- aria-activedescendant=""

UL:

- id="results"
- role="listbox"

LI:

- id="" role="option"
- aria-selected="false"







CODE

Search for:	cucumber	clear text Search		
It's up to you to se	banana	example toggle .mobi class .		
	cucumber			
Keyboard Ir	eggplant			

```
<div id="allyAutocomplete">
 <form action="">
  <div data-widget="accessible-autocomplete">
    <label for="search">Search for:</label>
    <input type="text" id="search" autocomplete="off" class="autocomplete-search-field" aria-describedby="initInstr"</pre>
aria-owns="results" aria-expanded="true" aria-autocomplete="both" aria-activedescendant="selectedOption"/>
    <button type="button" id="clearText">clear text/
    <button type="submit" id="submit">Search</button>
    width: 260px; display: block;">
     id="" class="autocomplete-item" role="option" aria-selected="false" tabindex="-1">banana
     cucumber
     eggplant
    </u1>
    <span id="initInstr" style="display: none;">
     When autocomplete results are available use up and down arrows to review and enter to select. Touch device users,
explore by touch or with swipe gestures.
    </span>
    <div aria-live="assertive" class="screen-reader-text"></div>
  </div>
 </form>
</div>
```







Resources

LINKS AND CONTACT INFO

- Link to solutions:
 - http://haltersweb.github.io/Accessibility/barchart.html
 - http://haltersweb.github.io/Accessibility/autocomplete.html
- Library of Solutions and Repository
 - http://haltersweb.github.io/accessibility/
 - https://github.com/haltersweb/Accessibility
- Adina Halter
 - Email: <u>adina halter@cable.comcast.com</u>
 - Twitter: @haltersweb







