

9/18/2020	Map controls search	Search via map updates location in input	Zoom out max	Auto search on zoom	Auto search on pan	Mileage surfaced in UI	Pagination	Uses a pin for search location	Search has predefined location filter list	US location name: levels of specificity	Location input has "x" clear button	"No results" handling	Geolocation: Asks permission before user initiates?	Voiceover search behavior in Safari [1]	Voiceover map behavior in Safari (can it be used?) [2]	Map notables	Voiceover/accessibility notables
TAKEAWAYS	Best examples don't auto search but instead makes user click a button for new search	None update input with new location, 2 clear input	4/5 allow infinite zoom out	4/5 keep same # pins from original search on zoom out	Best examples switch to manual "search this area" concept	4/5 don't indicate mileage. 1 uses a default mileage dropdown as a search parameter	4/5 had pagination. None had more than 21 results per page.	Zero use a pin to indicate the searched location	All had a dropdown list of location selections. 4/5 suggest with "1" character entered	Most use City, State (2 char abbrev) for US locations. Switch to 3 for Int'l	5/5 allow a quick way to clear the input		Zero. 2 auto geolocate (iP?) before user interacts. 4 offer a "nearby" type search parameter. 1 did not geolocate at all.	Google Maps, Airbnb, & Yelp, do not read out suggestions automatically unless in focus. All read out the individual letters being typed by users without delay. Alerted if there is a possible typo after a slight pause, eg after typing "URG"	Google Maps, Airbnb, & Yelp did not suppress map, some suppressed most map buttons. Best case was with Airbnb tabbing through pins and it re-read high level listing info. Map suppression could have been better than these experiences.		
Google Maps [3]	Optional [4]	No	No, but... [5]	No	No	No	Yes [6]	No, but [7]	Yes [8]	2 [9]	Yes	Empty map keeps last position if no results. How to fix message. [10]	No. Auto; plus "near me" appended to search term in dropdown [11]	"U, U, U, search google maps".. "U, R, G, urg, misspelled, search google maps". [Did not read out the predicted suggestions unless I navigated down to them] when tabbing through results, it only read out name of business (supressed address, hours, phone) then over "website" and "directions" buttons but did not read out the label	Yes. Can use arrows to pan the map. Can tab through buttons and click zoom in/out, locate me, etc.	"Search this area" btn appear/disappears as needed. Contextual filters available in certain cities, not all. "Update results when map moves" with checkbox also in bottom left of viewport under list of results.	
Yelp [12]	Optional [13]	No	No, but... [14]	No [15]	No [16]	No	Yes [17]	No	Yes [18]	2 [19]	No, but [20]	Empty map. How to fix message. [21]	No. Auto; plus "Current location" in dropdown [22]	"U, R, G, urg misspelled, "urgent" suggested correction". In safari, gave me 4 suggestions [did not read them out until highlighted]	Read out limited map buttons like "Search as map moves" but not the map functionality like zoom in/out. Did not read out pins listings.	"Search as map moves" btn loads with results. Pins remain until new search is performed. New location not updated in location input.	
Airbnb	Optional [23]	Sort of.. [24]	No, but... [25]	No	No [26]	No	Yes [27]	No	Yes [28]	2 [29]	Yes [30]	No map. Sparse page: how to fix message [31]	No. "Nearby" is a huge button that appears when you click into location input. [32]	"A, five suggestions, At, five suggestions, " [Did not read out the predicted suggestions unless I navigated down to them]	Yes, can tab through pins and reads the listing info but suppresses all map related buttons, like zoom in/out	Button with embedded checkbox "Search as I move the map". If you don't select it but pan it switches to a "Search this area" button with a reload icon preceding the words	displayed a "skip to content button" in the top left of page that when clicked swapped top nav and allowed me to go straight into search input
Redfin	Yes	Sort of.. [33]	Yes [34]	Yes [35]	Yes, but... [36]	No	Yes [37]	No, but [38]	Yes [39]	3	Yes [40]	How to fix message with linked bullets that clear filters [41]	No. None offered. [42]			Progress bar for every new pan/zoom. As map zooms out, inventory # tallies dynamically in hotspots	
Hertz Car Rental [43]	Yes	No	No, but... [44]	No	Yes [45]	Yes [46]	No	No	Yes [47]	5 [48]	Yes	Picks the closest location available [49]	No. "Search for cars near me" is a separate search button next to location entry [50]	Felt user initiated option like Yelp was better		As map zooms out, same pins remain until you do a new search. If you pan to new area while zoomed out it will restrict search to the center of the map.	
Accessibility concerns, questions, and suggestions from Jennifer	"We need this yesterday!" - regarding switching to a "Redo search in map" button within the map after zoom/pan change.	Likes Airbnb's interaction where input changes to "Selected map area", "location from map" change.							3-5 max suggestion so screenreader does not overwhelm user. For predictive input suggests wherever possible try using the native using Datalist (has some browser support) or Selectlist component. Google maps - geolocation api Suggests a slight delay, waiting until 3 chars entered, before making suggestions so that screen readers don't overwhelm. 1 is too noisy for screenreaders	City and state with state written out so that a screenreader wouldn't pronounce 'gah' for Georgia If user puts in a number, can we model Google where it can suggest address or zip? Suggests we contact "Chante" for call center logs to see if there are usability related calls			Appreciated the redfin example with a list of links that 'do' the suggestion for you	Asked if we have any metrics on allow/block from our users? (Vets can be suspicious)	See if map is accessible in Safari using voiceover		

[1] Google Maps and Mapquest suppress the maps today.

[2] Google Maps and Mapquest suppress the maps today.

[3] searched: "urgent care escanaba mi" and "urgent care near me"

[4] Button with search icon then "Search this area" appears

[5] even after clicking "Search this area" the number of results stays low. 1- 20 results going from one met area to another. Zoom out level seems to change to breadth over density

[6] yes, does not indicate how many pages. 20 listings per page.

[7] Not for city or zip code searches but yes if a specific location street address

[8] Starts searching with 1 char. MIXED SEARCH TYPES: Limits to 5 suggestions. Can still put invalid text and results with a best guess. Chunks categories with icon, pin= location, magnifying glass=keyword

[9] 2 ("Cairo GA", "Cairo Egypt") unless a street address

[10] Google Maps can't find ice fishing key
Make sure your search is spelled correctly. Try adding a city, state, or zip code.
Try Google Search instead
Should this place be on Google Maps?
Add a missing place

[11] Using an incognito window, upon opening page, it did not ask my permission but was able to geolocate my neighborhood. Could be detecting IP/ISP?

[12] urgent care near downtown atlanta

[13] Button with embedded checkbox "Search as map moves"

[14] "Redo search in map" button becomes disabled at a certain mileage

[15] "Redo search in map" button lights up when map is zoomed out.

[16] "Redo search in map" button lights up when map is moved.

[17] 10 results per page, 7 pages in this search

[18] Starts searching with 1 char. Limits to 10 suggestions. 1st suggestion is "current location" Can still put invalid text and results will be a best guess.

[19] 2 for US, "Madrid, Spain", or 3 if a specific marker "Calle de Bailén, Madrid, Spain"

[20] When you click into the field, it automatically highlights the text

[21] No Results for Ice Fishing

Suggestions for improving the results:

- Try a different location.
- Check the spelling or try alternate spellings.
- Try a more general search. e.g. "pizza" instead of "pepperoni"

[22] Using an incognito window, upon opening page, it did not ask my permission but was able to geolocate the center of my metro area "Near: 'Downtown, Atlanta, GA'". (detecting IP/ISP?)

"Current location" as an option in dropdown before typing with arrow icon preceding. If selected, then browser asks permission.

[23] Button with embedded checkbox "Search as I move the map". If you don't select it but pan it switches to a "Search this area" button with a reload icon preceding the words

[24] Location input will clear and replace text with "Selected map area"

[25] switches to a highlight of a popular locations with a large colorful pin with an embedded photo of "Key West", or "Miami"

[26] No, button switches to a "Search this area" button with a reload icon preceding the words

[27] 1 – 20 [per page] of 300+ places to stay [1 2]

[28] Starts searching with 1 char. Limits to 5 suggestions. Can still put invalid text and results will be an assortment of 'Stays around the world'

[29] City, State OR City, Country, some rare cases specified a marker before city, e.g. Golden Gate Park, San Francisco, CA

[30] screenreader says "clear input button" when in focus

[31] No results

To get more results, try adjusting your search by changing your dates

[32] If "Nearby" is selected, the input is replaced with the word "Nearby" then browser asks permission. Does not initiate any search or geolocation until user clicks search.

[33] It does clear the original location.

[34] Mileage not surfaced. Zoom out btn not disable.

[35] uses progress bar to communicate that search is processing

[36] Only if they have data on that area. Didn't update search when I moved from one metropolitan area to another via map. UI didn't indicate why there weren't results.

[37] 21 per page. Viewing page 1 of 17 (Download All)

[38] Draws line around zip code or city and centers that shape

[39] Starts searching with 1 char. Chunks results (Places, schools, Agents, Building). Limits to 7 locations. Can still put unserved location and gives you an option to "Notify Me When Available"

[40] Location becomes a 'tag' in input with X that can be cleared easily. You can put in invalid locations (alert me) or choose from predefined list.

[41] No results!

Let's get you back on track...

- Remove all filters
- Remove region outline
- Zoom out

[42] No option to geolocate. Input hints: "City, Address, School, Agent, ZIP"

[43] Uses Google maps

[44] Same pins remain until you do a new search. If you pan to new area while zoomed out it will restrict search to the center of the map.

[45] Slight delay as if it is waiting for me to finish panning the map, still feels fast

[46] 5 mile radius default option via dropdown filter (5, 10, 15 mi)

[47] Drop down has embedded locations as options when searching for location. Suggests locations after 3 characters entered.

[48] City, neighborhood, airport code, city, country (2 letter abbreviation)

[49] Savannah, GA result for Havana, Cuba search

[50] "Search for cars near me" is a separate search button on HP after default location input entry. Upon click you go to a second page with results. Did not geolocate me. Picked a random location. Location input on this page had no predictive search/predefined list of locations