

kingdom of Saudi Arabia

Ministry of education

Prince Sattam bin Abdulaziz university

College of computer Engineering and Sciences



Search about
symbolab

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HW1

Part-1

Define the purpose of the website?

So the website I am going to discuss is Symbolab
the purpose of the website is to help
students/scientist/engineers to solve mathematics problems .

Explain its services?

Symbolab provides many services such as solving advanced mathematics like
Integration , differentiation , linear algebra ,
functions...etc and also drawing graphs .

What is the domain address?

<https://www.symbolab.com> || 104.18.3.44

Part-2

What is the category of the business, and is this obvious on the website?

For the first part of the question , the website main focus is on the field of
mathematics and its branches , now for the second part of the question
yes it is totally obvious because of the list of calculators the website
provides make it more clear to the user that their website is about math

Is the design accomplishing the purpose of the website?

Yes and perfectly, because of the list that the website provides for
example calculators, graphs , physics equations and so on , so the
design makes it more easier for the user to find what he is looking up to

Who is the target audience and how does the design take this into consideration?

The website main users are Students,scientist,engineers and the design

If I am student I am going to the solution section -which's a main page in the website which you can find the right calculator that suitable for your problem - and if you are a scientist you may look for graphs to get the right graph for the equation you may have and if engineers you may use the geometry section

Part-3

How long does it take for pages to load, and will the visitors get bored waiting?

I tried to measure the time by using google chrome developer tools

I refresh the page 5
for the page to load

mes to take the average me

No of .	Time in seconds
1	1.01
2	0.947
3	0.861
4	0.894
5	1.12

So the average time is = 0.9664 second

so I don't think the visitor will get bored according to google the suitable time for a page to load is under 3 second.

Can information be found easily?

yes because of the web icons located in the top of the main page making it more easier for the user to find what he/she needs.

Is there a search button available for visitors?

No, instead they use a quick calculator bar to enter the problem easily and it's fits the website perfectly.

Are all the links working?

I checked the links by using the W3C link checker and here's the results

Line: 55 <https://accounts.google.com/gsi/client>

Status: 403 Forbidden

The link is forbidden! This needs fixing. Usual suspects: a missing index.html or Overview.html, or a missing ACL.

Line: 1608 <https://www.symbolab.com/cdn-cgi//email-protection>

Status: 200 OK

Some of the links to this resource point to broken URI fragments (such as index.html#fragment).

Broken fragments:

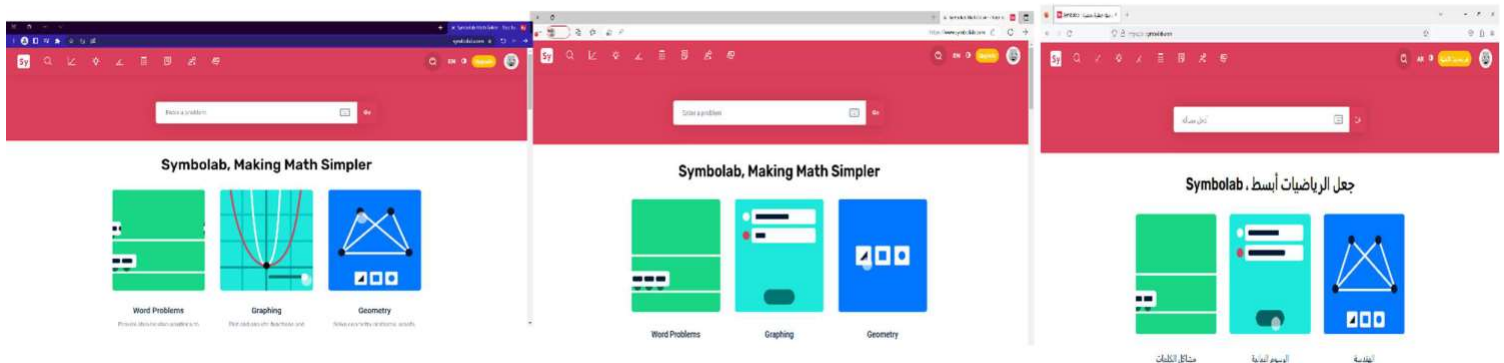
<https://www.symbolab.com/cdn-cgi//email-protection#8eede1e0faefedfacefdf7e3ece1e2efeca0ede1e3> (line 1608)

there are two links that broken or not working in the whole website

Does the website work in different browsers?

I opened the website on google chrome and Microsoft Edge and Mozilla Firefox. And for more informa on I use windows 11

browser	google chrome	Microsoft Edge	Mozilla Firefox
version	112.0.5615.121	109.0.1518.78	112.0.1
loading page	0.9664 second	0.810 second	0.632 second
the web- icons	loaded nicely with the page works fine		
in general			



Does the website work on mobile devices?

Yes I used my phone using google chrome and the website works fine And fits the mobiles perfectly.

Part-4

Are the fonts that have been chosen easy to read?

Yes the font is readable I hadn't any problem with it .

Is there considerable contrast between the font color in the background color?

Yes the text color is actually different than the background color they used a white background and black text making the text easy to read.

Is the text an appropriate size?

some the pages the size of the text is small that you need to zoom in on a page but in general it's good but not for some people like old people they may going to have problem with that .

Is the content concise yet still useful?

since the content of the website is about calculating and solving problems so I am going to talk about how the answer appeared if it's solving the problem with steps or not so if you aren't subscribed in their services you only get the final answer with few steps but if you subscribed they gave you the answer with many steps as the problem needs .

Part-5

write conclusion and at least three recommendations.

During the search I came to conclusion that the website is one of the best math calculating websites also a known among users of the accurate answer and that what I actually found, because of variety of the calculators that the website provides making it really fast to find what you need whether it's in

physical or Chemical field as I say in the beginning the website helps many people in different jobs so my recommendations about the website is

1-some icons doesn't match the page that they take you to for example the solution page have the magnifying glass icon but most of the websites the magnifying glass represent the search bar so if the developers put something represent math for example x, y or function that maybe going to be more easier for the users.

2-the small size of the text some of the text have very small size making more difficult for many people such as old people the developers need to make it bigger and bold so it can be easy to read .

3-I might say the color of the website needs more work because it feels very empty because many pages have only black and white that may not achieve the user-friendly interface .