

---EXPLANATION OF MY PROJECT(2)----

TITLE of PROJECT: Wikipedia Search Application::

Technologies used : HTML, CSS, JS, REST API Calls, Bootstrap

Unlock the vast wealth of knowledge on Wikipedia with a custom search

application that delivers relevant and curated results. Quick and easy access to

information has never been easier.

- * Beautifully presented search results with HTML list elements, styled with

CSS, Bootstrap, and a responsive design.

- * Seamlessly access information with the power of asynchronous fetch GET

HTTP API calls and the ability to open the desired result in a new tab for

further reading.

1.Elaborate how you tested your internship or projects :

In my project there are some important checklists based on the checklists i made my application move further:

- 1.static part - designed with html and css

- 2.dynamic part - desired results are displayed in dynamic part section

->SEARCH BOX TESTING –

- .Tested the search functionality by entering with multiple words
- . when we enter input in search box .check whether multiple results are displayed on dynamic part
- .Tested that search feature handles cases when no input is entered

->UI TESTING –

- .The layout content of dynamic part is displayed in systematic order or not

->FUNCTIONALITY TESTING –

- .The search box accepts user inputs correctly,including keywords and special characters
- .Tested basic search functionality to ensure that it returns relevant results based on keyword entered.

->SLOW NETWORK TESTING–

- . I tried with 3G/4G/5G networks .there is a loading delay of results and the information to be displayed comparatively with 5G network

->API TESTING –

- . **APIs** to fetch and manipulate data from remote servers through HTTP methods.
- **** verified that I am getting appropriate data or not .Like it is a failure response or success response.

a.what did the system used to do?

.Main theme of the application helps users to find the information they are looking for.search application able to return results quickly when user enters a search term the search application looks at the website page titles,contents and keywords it has indexed and step by step operations are done to produce a list of sites with the most relevant websites at the top of the list.

b.what other systems have you seen in the wild like this?

- 1.google search
- 2.yahoo search
- 3.chrome search

The main differnces to my appication and above applications are when user enters the some sort of keyword.the keyword entered is concatenated with url and it fetches the url and gets the relevant data.where the url is reference of above applications.But in above applications they have there own created URL.

c.How do you approch the testing problem?

1.Analyzed the code thoroughly resolving the issues by several implementations.fixing the errors by recollecting information.

d.what are the intresting bugs?

- 1.search application did not responded accordingly
- 2.EventListner bug

e.How did you fix them?

a.syntax error - corrected the fetch syntax by recollecting the concepts.

b.error in event type - there are many event types in javascript.but based on user interaction i found "keydown" is the correct event and implemented it by removing the old event.