

GLA UNIVERSITY, MATHURA

MINI PROJECT REPORT



TOPIC : Dictionary Website

SUBMITTED TO :-

Mrs. Neelam Soni

(TECHNICAL TRAINER)

SUBMITTED BY:-

Shyam Ji Gupta(201500687)

Manindra Dwivedi(201500382)

Himanshu Upmanyu(201500299)

DECLARATION BY GROUP MEMBERS

I hereby declare that this mini project work entitled “Dictionary Website” has been prepared by Team mates under the guidance of Miss Neelam Soni (technical trainer), Department of Computer Science and Technology, GLA university, Mathura

Team Members:

Shyam Ji Gupta (201500687)

Sign: _____

Manindra Dwivedi (201500382)

Sign: _____

Himanshu Upmanyu (201500299)

Sign: _____

Project Supervisor:

Miss Neelam Soni

(Technical Trainer)

Table of Content:

Title

Abstract

1. Introduction
2. Requirement
 - 2.1 Hardware Requirements
 - 2.2 Software Requirements
3. Project Description
4. Implementation
5. Conclusion
6. Future Scope
7. References

Title : Dictionary Website

ABSTRACT:

Our dictionary website provides users with a comprehensive and reliable source of information for all their language needs. With a vast collection of words and definitions, our website offers users the ability to easily search for and discover the meanings of words, as well as their synonyms, antonyms, and related words. Our website is constantly updated with the latest words and definitions, ensuring that our users have access to the most current language resources available. Our website also features a variety of tools and resources to help users improve their language skills, including grammar guides, vocabulary builders, and writing tips. With our easy-to-use interface and powerful search engine, our dictionary website is the ultimate language resource for anyone looking to expand their language knowledge and improve their communication skills.

INTRODUCTION:

A dictionary website is an online resource that provides definitions, spellings, and pronunciations of words. It allows users to search for a specific word and retrieve its meaning and

various other information related to that word, such as its part of speech, synonyms, antonyms, and usage examples. A dictionary website can also offer additional features, such as audio pronunciations, word games, language quizzes, and grammar guides. Many dictionary websites provide multilingual support, allowing users to look up words in various languages. Overall, a dictionary website is a valuable tool for anyone who wants to improve their vocabulary, enhance their language skills, or simply understand the meaning of a particular word.

Requirement :

- **Hardware requirement :**

- Processor-1.6GHz or Faster Processor
- RAM-16GB
- Disk Space- 10GB of available hard disk
- Graphic- DirectX 9-capable video card
- Display- 1024 x 768 or Higher Resolution

- **Software requirement :**

- Operating System- Window 10,11
- Front End- HTML, CSS, JavaScript
- Library/Framework- Bootstrap
- Code Editor- Visual Studio Code
- Web Browser- Google Chrome

Project Description:

The "Dictionary website" project is a web-based application that helps children improve their reading and writing skills. It uses HTML, CSS, and JavaScript to create an interactive platform.

The Dictionary Project is an organization that gives dictionaries to children for free. Their goal is to enhance literacy levels among children and promote education. By providing personal dictionaries, they aim to empower children to learn independently and develop their vocabulary, spelling, and writing abilities. The project also aims to inspire a love for learning and reading, which can lead to academic and personal success.

The Dictionary Project started in South Carolina in 1995 and has expanded to other states in the US and various countries worldwide. They have distributed millions of dictionaries to children and continue their efforts to improve literacy and education.

Implementation:

#HTML:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="css/style.css">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.2.1/css/all.min.css" integrity="sha512-
MV7K8+y+gLIBoVD59lQIYicR65iaqukzvf/nwasF0nqhPay5w/9IjMVM2hMDcnK1OnMGCdVK+iQrJ7I
zPJQd1w==" crossorigin="anonymous" referrerpolicy="no-referrer" />
  <link rel="shortcut icon" href="https://i.postimg.cc/wMfHJ54q/icons8-dictionary-100.png"
type="image/x-icon">
  <title>Dictionary</title>
</head>
```

```
<body>
  <audio id="sound"></audio>
  <div class="nav dark">
    <h1>Dictionary</h1>
    <button class="dark-mode-btn" onclick="myToggle()"></button>
  </div>
  <main>
    <div class="container">
      <div class="search-box">
        <input type="text" placeholder="Type the word here.." id="inp-word"/>
        <button id="search-btn">Search</button>
      </div>
      <div class="result" id="result">
      </div>
    </div>
  </main>
  <!--Script-->
  <script src="js/main.js"></script>
</body>
</html>
```

#CSS:-

```
@import url('https://fonts.googleapis.com/css2?family=Poppins&display=swap');
:root{
  /Light Mode/
  --p-light-mode: #d9c68c;
```



```
--s-light-mode: #f2ecd9;
--t-light-mode: #393013;
--i-light-mode: #bab6ab;
--e-light-mode: #c73030;
--bt-light-mode: #d9c68c;
--bt-alt-light-mode: #212529;

/Dark Mode/

--p-dark-mode: #212529;
--s-dark-mode: #495057;
--t-dark-mode: #ced4da;
--i-dark-mode: #ced4da9a;
--e-dark-mode: #b54f4f;
--bt-dark-mode: #212529;
--bt-alt-dark-mode: #d9c68c;

/Main Variables/

--primary-color: #d9c68c;
--secondary-color: #f2ecd9;
--text-color: #393013;
--indent-color: #bab6ab;
--error-color: #c73030;
--button-color: #d9c68c;
--button-color-alt: #212529;
}

*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
```

```
}  
*, button{  
    transition: background-color 600ms ease-in-out;  
    transition: color 600ms ease-in-out;  
}  
html{  
    font-family: 'Poppins', sans-serif;  
    font-size: 100%;  
  
}  
body{  
    background-color: var(--primary-color);  
    height: 100vh;  
    overflow: hidden;  
    display: flex;  
    flex-direction: column;  
}  
.nav{  
    flex: 1;  
    display: flex;  
    justify-content: space-between;  
    align-items: center;  
    background-color: var(--secondary-color);  
    padding: 0.4rem 1rem;  
}  
  
.nav h1{
```

```
font-size: 2rem;
color: var(--text-color);
}

.dark-mode-btn{
width: 2.5rem;
height: 2.5rem;
border-radius: 1.25rem;
border: none;
background-color: var(--button-color);
opacity: 1;
transition: opacity 600ms ease-in-out;
}

.dark-mode-btn:hover{
opacity: 0.8;
cursor: pointer;
background-color: var(--button-color-alt);
}

main{
flex: 15;
display: grid;
place-items: center;
}

.container{
margin-top: 1rem;
background-color: var(--secondary-color);
width: clamp(350px,50%,1400px);
padding: 3.5rem 1.8rem;
```

```
border-radius: 0.625rem;
box-shadow: 8.0px 16.0px 16.0px hsl(0deg 0% 0% / 0.25);
display: flex;
flex-direction: column;
justify-content: center;
gap: 3rem;
}

.container .search-box{
  display: flex;
  justify-content: space-between;
}

.search-box input{
  font-family: inherit;
  width: 70%;
  padding: 10px 5px;
  border: none;
  outline: none;
  font-size: 1rem;
  color: var(--text-color);
  background-color: var(--secondary-color);
}

.search-box input:focus{
  border-bottom: 1px solid var(--text-color);
}

.search-box button{
  width: 25%;
  padding: 10px 5px;
```

```
border: none;
outline: none;
border-radius: 5px;
font-size: 1rem;
background-color: var(--primary-color);
color: var(--text-color);
opacity: 1;
transition: opacity 600ms ease-in-out;
}

.search-box button:hover{
  cursor: pointer;
  opacity: 0.90;
  border-bottom: 1px solid var(--text-color);
}

.search-box input, .search-box button{
  border-bottom: 1px solid var(--primary-color);
  transition: border-bottom 600ms ease-in-out;
}

.result .word{
  display: flex;
  justify-content: space-between;
}

.result .word h3{
  font-size: 1.7rem;
  color: var(--text-color);
}

.result .word button{
```

```
font-size: 1.1rem;
color: var(--primary-color);
background-color: var(--secondary-color);
border: none;
outline: none;
opacity: 1;
transition: opacity 600ms ease-in-out;
}

.result .word button:hover{
    cursor: pointer;
    opacity: 0.90;
    color: var(--text-color);
}

.result .detail{
    display: flex;
    gap: 0.625rem;
    margin: 0.3125rem 0 1.25rem 0;
    color: var(--indent-color);
    font-size: 0.875rem;
}

.result .word-meaning{
    text-align: justify;
    color: var(--text-color);
}

.result .word-example{
    margin-top: 2rem;
    padding-left: 1.25rem;
```

```
border-left: 5px solid var(--text-color);
text-align: justify;
font-style: italic;
color: var(--text-color);
}
.error{
color: var(--error-color);
font-size: 1.5rem;
text-transform: capitalize;
text-align: center;
}
```

#JavaScript:-

```
const url = "https://api.dictionaryapi.dev/api/v2/entries/en/";
const result = document.getElementById("result");
const sound = document.getElementById("sound");
const btn = document.getElementById("search-btn")
const input = document.getElementById("inp-word");
function playSound() {
    sound.play();
}
input.addEventListener("keypress", (event) => {
    if(event.key == "Enter"){
        event.preventDefault();
        btn.click();
    }
}
```

```

});

btn.addEventListener("click", () => {

    let aud;

    let phtex;

    let mean;

    let ex;

    let pos;

    let inpWord = document.getElementById("inp-word").value;

    fetch(`${url}${inpWord}`)

    .then((response) => response.json())

    .then((data) => {

        console.log(data[0]);

        for(val in data[0].phonetics){

            if('audio' in data[0].phonetics[val]){

                if(data[0].phonetics[val].audio.length != 0){

                    aud = data[0].phonetics[val].audio;

                }

            }

            if('text' in data[0].phonetics[val])

            {

                if(data[0].phonetics[val].text.length != 0){

                    phtex = data[0].phonetics[val].text;

                }

            }

        }

        let broke = false;

        for(x in data[0].meanings)

```



```

{
    for(y in data[0].meanings[x].definitions){
        if('definition' in data[0].meanings[x].definitions[y] && 'example' in
data[0].meanings[x].definitions[y])
        {
            pos = data[0].meanings[x].partOfSpeech;
            mean = data[0].meanings[x].definitions[y].definition;
            ex = data[0].meanings[x].definitions[y].example;
            broke = true;
            break;
        }
    }
    if (broke){break;}
}

result.innerHTML = `
<div class="word">
    <h3>${inpWord}</h3>
    <button onclick = "playSound()">
        <i class="fa-solid fa-volume-high"></i>
    </button>
</div>
<div class="detail">
    <p>${pos}</p>
    <p>${phtex}</p>
</div>
<p class="word-meaning">
    ${mean}

```

```

    </p>
    <p class="word-example">
        ${ex}
    </p>
</div>`;

sound.setAttribute("src", `${aud}`);
})

.catch(() => {
    result.innerHTML = `<h3 class="error">Couldn't Find The Word</h3>`
});
});

//DARK MODE Toggle

const r = document.querySelector(':root');
let rs = getComputedStyle(r);

function myToggle(){
    if(rs.getPropertyValue('--button-color') == rs.getPropertyValue('--bt-light-mode')){
        r.style.setProperty('--primary-color', rs.getPropertyValue('--p-dark-mode'));
        r.style.setProperty('--secondary-color', rs.getPropertyValue('--s-dark-mode'));
        r.style.setProperty('--text-color', rs.getPropertyValue('--t-dark-mode'));
        r.style.setProperty('--indent-color', rs.getPropertyValue('--i-dark-mode'));
        r.style.setProperty('--error-color', rs.getPropertyValue('--e-dark-mode'));
        r.style.setProperty('--button-color', rs.getPropertyValue('--bt-dark-mode'));
        r.style.setProperty('--button-color-alt', rs.getPropertyValue('--bt-alt-dark-mode'));
    }
    else if(rs.getPropertyValue('--button-color') == rs.getPropertyValue('--bt-dark-mode')){
        r.style.setProperty('--primary-color', rs.getPropertyValue('--p-light-mode'));

```

```
r.style.setProperty('--secondary-color', rs.getPropertyValue('--s-light-mode'));
r.style.setProperty('--text-color', rs.getPropertyValue('--t-light-mode'));
r.style.setProperty('--indent-color', rs.getPropertyValue('--i-light-mode'));
r.style.setProperty('--error-color', rs.getPropertyValue('--e-light-mode'));
r.style.setProperty('--button-color', rs.getPropertyValue('--bt-light-mode'));
r.style.setProperty('--button-color-alt', rs.getPropertyValue('--bt-alt-light-mode'));
}
}
```

Conclusion:

A dictionary website is an online resource for word definitions and language-related information. The "Dictionary website" project is a web-based application developed with HTML, CSS, and JavaScript. It aims to improve literacy levels among children by providing personal dictionaries. The project focuses on promoting independent learning, vocabulary development, and a love for learning. The project has expanded globally and works towards improving literacy and education. Overall, the dictionary website and project aim to enhance language skills, promote literacy, and provide valuable resources.

Future Scope:

The Dictionary Project's goal is to give dictionaries to children to help them become better readers and writers. They focus on elementary school students, usually in third or fourth grade, because that's an important time for learning how to read and write.

The main thing the project does is raise money and give dictionaries to schools and organizations. The dictionaries they give are usually paperback books that are appropriate for the kids' age. They have common words with their meanings, parts of speech, and other helpful information.

The Dictionary Project wants to help kids in communities that don't have a lot of resources, like families with low incomes or kids who are learning English. They also want to make people more aware of how important it is to be able to read and write well, and how dictionaries can help with that.

The project has expanded to other countries like Canada, Australia, and South Africa. They work together with other organizations like the Boys and Girls Club and the National Association of Elementary School Principals to promote literacy and education.

Overall, the Dictionary Project's main focus is to give children the tools they need to become good readers, writers, and communicators. They want to help kids in communities where it's needed the most.

References:

1-Youtube

2-Google

3-Free Dictionary API(Website)

Faculty Guidelines:

Miss Neelam Soni (Technical Trainer in
GLA University)