

Digital Portfolio



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PROJECT TITLE


DICTIONARY APP

AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Git Hub Link



PROBLEM STATEMENT

Language learners and students often struggle to quickly find word meanings, pronunciation, and usage. Traditional dictionaries are bulky, while online ones may be cluttered. A simple, fast, and interactive dictionary web app helps users learn meanings instantly using modern web technologies.



PROJECT OVERVIEW

- The Dictionary App is a browser-based tool that allows users to search for any English word and instantly get:
- Word meaning
- Part of speech
- Phonetics
- Audio pronunciation
- It is built using HTML, CSS, and JavaScript, with data fetched from the Free Dictionary API.



WHO ARE THE END USERS?



- **Students & Learners** → To improve vocabulary
- **Teachers** → To demonstrate digital dictionary usage in class
- **General Users** → Anyone looking for a quick way to check meanings.



TOOLS AND TECHNIQUES



- **HTML5** → For structuring the app.
- **CSS3** → For styling and layout.
- **JavaScript (ES6)** → For fetching API data and displaying results
- **Free Dictionary API** → <https://api.dictionaryapi.dev/>
- **Code Editor** → Visual Studio Code
- **Version Control** → Git & GitHub
- **Browser** → Any modern browser (Chrome, Edge, Firefox).

POTFOLIO DESIGN

DICTIONARY

🔍 Search...

Apple

A round fruit with red or yellow skin.

Banana

A long, curved fruit with a yellow skin.

Citrus

A fruit with a tart, acidic flavor

Dictionary




A reference book that defines words

LAYOUTS

1) Desktop Wireframe (ASCII)

Copy code

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+-----+
|                                      DICTIONARY APP
|
|                                     Search word, see meaning
fast                                |
+-----+
+-----+
| Enter a word...                               ]
| Search  ]
|
+-----+
+-----+
| Result:
|
| Word:   education
|
| Part of speech: noun
|
| Phonetics: /ˌɛdʒʊˈkeɪʃ(ə)n/
|
| Meaning: The process of receiving or
giving systematic          |
|                instruction...
|
| Synonyms: schooling, instruction
|
| [  Play Pronunciation ]
|
+-----+
+-----+

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+-----+  
|                                     📖 DICTIONARY APP  
| Search word, see meaning fast  
+-----+  
+-----+  
[ Enter a word... ]  
[ Search 🔍 ]  
  
+-----+  
+-----+  
| Result:  
| Word: education  
| Part of speech: noun  
| Phonetics: /ˌɛdʒʊˈkeɪʃ(ə)n/  
| Meaning: The process of receiving...  
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| [ 🔊 Play Pronunciation ]  
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(footer: GitHub link)
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FEATURES AND FUNCTIONALITY

- ✓ Search any English word.
- ✓ Show meaning, part of speech, and phonetics.
- ✓ Play audio pronunciation (if available).
- ✓ Error handling for invalid words.
- ✓ Clean and responsive UI.

RESULTS AND SCREENSHOTS



CONCLUSION

The Dictionary App demonstrates the power of HTML, CSS, and JavaScript combined with APIs to build practical, real-world applications. It improves language learning, provides instant access to meanings, and helps students practice API integration. Possible future improvements: Show multiple definitions and synonyms. Save search history. Add dark/light mode for better UI experience.

GITHUB LINK