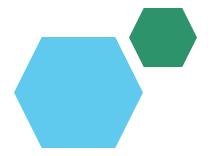
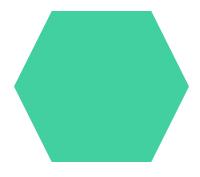
Digital Portfolio





STUDENT NAME: UMA MAHESWARI.S

REGISTER NO: 24BSIT161

NMID: B98D4E0D97F28A49ECC49618C022ACF0

DEPARTMENT: B.SC INFORMATION TECHNOLOGY

COLLEGE: SRI KRISHNA ADITHYA COLLEGE OF ARTS AND SCIENCE



PROJECT TITLE



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 → <u>https://api.dictionaryapi.dev/</u>
- Code Editor → Visual Studio Code
- **Version Control** → Git & GitHub
- Browser → Any modern browser (Chrome, Edge, Firefox).

POTFOLIO DESIGN

DICTIONARY

Q 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
                       DICTIONARY APP
                Search word, see meaning
fast
[ Enter a word...
[ Search 🔍 ]
 Result:
  Word: education
  Part of speech: noun
  Phonetics: /sdzv'keif(ə)n/
  Meaning: The process of receiving or
giving systematic
           instruction...
  Synonyms: schooling, instruction
  [ N Play Pronunciation ]
```

```
DICTIONARY APP
        Search word, see meaning fast
[ Enter a word...
[ Search 🔍
  Result:
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 Meaning: The process of receiving...
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  [ N Play Pronunciation ]
(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