

PROJECT: DICTIONARY APPLICATION WEBSITE

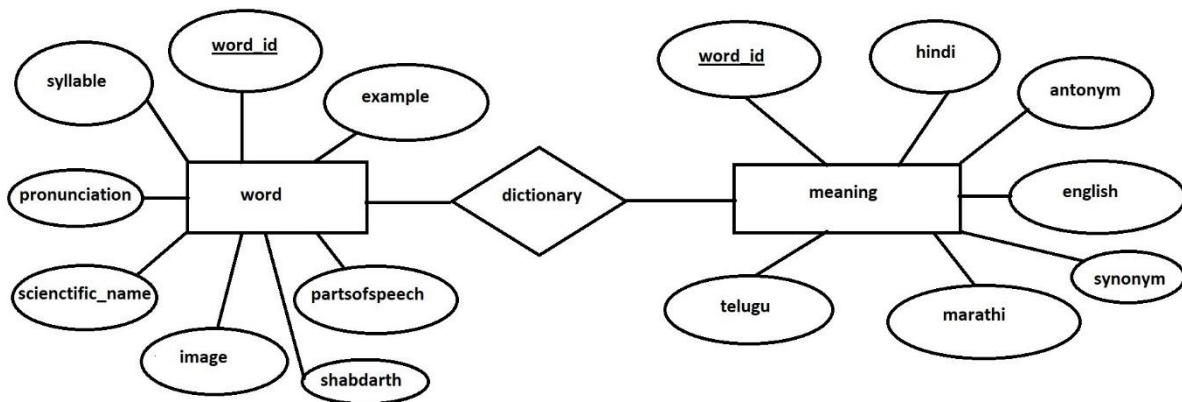
Making an online dictionary website involves several steps, including planning, designing, and implementing the site. Here are few steps that are mentioned below:

- Defining website's purpose and target audience: I have created a language-specific dictionary for students or professionals. By using this website someone can know the whole information related to the searched word for ex. Meaning in four languages :- English, Hindi, Marathi, Telugu , scientific name if the word is noun, parts of speech, syllable, pronunciation, images of the searched word.
- Choosing a domain name and hosting provider: I need a domain name that reflects my website's purpose and target audience. Additionally, I have to select a hosting provider to host my website.
- Planning my website's layout and design: Once I have defined my website's purpose and target audience, I planned the layout and design of my website. The features such as search functionality, word definitions etc are used.

- Developing a database of words and definitions: I compiled a comprehensive database of words and their definitions. This can be done by manually adding words and definitions, or by using an existing database of words. I created two tables i.e word and meaning in which word_id is taken as primary key. The Entity Relationship table (E-R diagram) and screenshot of databases are attached below.
- Developing the website: Once I have planned the layout and design of website along with compiled database, I developed my website by using HTML, CSS and PHP.
- Testing and Implementing of website: After developing the website, I will need to test it to ensure that it functions properly.

Overall, creating an online dictionary website requires careful planning and execution. With the right approach, we can create a valuable resource that helps people learn and understand language.

E-R Diagram of Dictionary Name: Trishul



Databases of dictionary

```
MySQL 8.0 Command Line Cli x + v
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.31 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| dictionary |
| information_schema |
| mysql |
| ozone |
| performance_schema |
| sakila |
| sys |
| trishul |
| world |
+-----+
9 rows in set (0.01 sec)

mysql> use dictionary;
Database changed
mysql> desc word;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| word_id | int | NO | PRI | NULL | |
| syllable | varchar(100) | NO | | NULL | |
| pronunciation | varchar(100) | NO | | NULL | |
| scientific_name | varchar(200) | YES | | NULL | |
| example | varchar(200) | YES | | NULL | |
+-----+
```

```
MySQL 8.0 Command Line Cll x + v
| performance_schema |
| sakila              |
| sys                 |
| trishul             |
| world               |
+-----+
9 rows in set (0.01 sec)

mysql> use dictionary;
Database changed
mysql> desc word;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| word_id | int | NO | PRI | NULL | |
| syllable | varchar(100) | NO | | NULL | |
| pronunciation | varchar(100) | NO | | NULL | |
| scientific_name | varchar(200) | YES | | NULL | |
| example | varchar(200) | YES | | NULL | |
| image | longblob | YES | | NULL | |
| partsofspeech | varchar(200) | YES | | NULL | |
| shabdarth | varchar(200) | YES | | NULL | |
+-----+
8 rows in set (0.02 sec)

mysql> desc meaning;
+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+
| word_id | int | NO | PRI | NULL | |
| hindi | varchar(100) | YES | | NULL | |
| english | varchar(100) | YES | | NULL | |
| marathi | varchar(200) | YES | | NULL | |
| telugu | varchar(200) | YES | | NULL | |
| antonym | varchar(100) | YES | | NULL | |
| synonym | varchar(100) | YES | | NULL | |
+-----+
7 rows in set (0.00 sec)

mysql> |
```