DICTIONARY(search your word)

course no - (CS208)

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MARCH,2023

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Chapter 1

Introduction

This is a application that can be used to build a dictionary for **searching the meaning** .This application can be implemented using **HTML,PHP** with using my sql.

1.1 Problem Statement

Based on user's input (For example: tiger) develop a system to generate the following information like

1. Meaning, example against each word and phrase of minimum three language

2.Pos, syllable, pronunciation,imagel [**?**].

1.2 Objectives

The objectives of building this application are:

- to build and dictionary like application to demonstrate to extract the data from database using php.it creats an application similar to the search version of dictionary.
- This application should demonstrate the capability of getting infromation of the word in various languages and meaning and examples of the given word

1.3 Languages Used

1. HTML
2. CSS
3. PHP [**?**]
4. MYSQL

1.4 Assumptions

1. I have created five tables named as word,meaning,language,pos,example[**?**] .
2. i have assumed wid as primary key in the word table and connected it to the other tables as a foreigene key constraint.
3. I have connected the my data base using apache software to my php code using the local host server.
4. I have used JOIN query to join my tables .

1.5 ER Diagrames

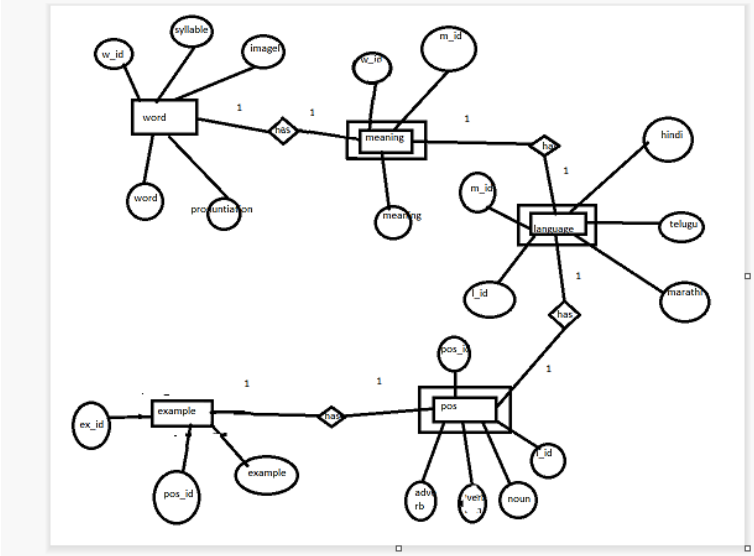

Figure 1.1: Register Page

1.6 NORMALIZED TABLES

w_id pronuntiation	word	syllable	imagel

Table 1.1: word

m_id	w_id	meaning

Table 1.2: meaning

m_id	l_id	hindi	telugu	marathi

Table 1.3: language

p_id	l_id	noun	verb	adverb

Table 1.4: pos

ex$_i d$	pos$_i d$	example

Table 1.5: example

1.7 Tables in database

```
mysql> desc word;
+---------------+--------------+------+-----+---------+-------+
| Field         | Type         | Null | Key | Default | Extra |
+---------------+--------------+------+-----+---------+-------+
| w_id          | int          | NO   | PRI | NULL    |       |
| word          | varchar(145) | YES  |     | NULL    |       |
| syllable      | varchar(145) | YES  |     | NULL    |       |
| imagel        | longblob     | YES  |     | NULL    |       |
| pronuntiation | varchar(145) | YES  |     | NULL    |       |
+---------------+--------------+------+-----+---------+-------+
5 rows in set (0.01 sec)
```

Figure 1.2: Register Page

```
mysql> select * from word;
+------+------------+------------+---------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------+----------------+
| w_id | word       | syllable   | imagel
                                                                                                                  | pronuntiation  |
+------+------------+------------+---------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------+----------------+
|    1 | tiger      | ti-ger     | 0x68747470733A2F2F7468756D62732E647265616D7374696D652E636F6D2F7A2F647265616D696E672D74696765722D6265617574696756C2D6275
736865732D3432313134393352E6A7067                                                                                 | taɪ.gər        |
|    2 | onion      | oni-on     | 0x68747470733A2F2F7468756D62732E647265616D7374696D652E636F6D2F622F6F6E696F6E2D77686974652D6261636B67726F756E642D33353238
333630352E6A7067                                                                                                  | aw.nyn         |
|    3 | dictionary | dic-tionary | 0x68747470733A2F2F7468756D62732E647265616D7374696D652E636F6D2F622F647265616D65722D696D6167696E6174696F6E2D766973696F6E2D
647265616D2D64696374696F6E6172792D646566696E6974696F6E2D647265616D696E672D7072696E7465642D626F6F6B2D31333834303333337332E6A7067 | dic·tio·nary   |
+------+------------+------------+---------------------------------------------------------------------------------------------------------------
------------------------------------------------------------------------------------------------------------------+----------------+
3 rows in set (0.02 sec)
```

Figure 1.3: Register Page

```
mysql> select * from meaning;
+------+------+---------------------------------------------------------------------------------------------------------+
| w_id | m_id | meanning                                                                                                |
+------+------+---------------------------------------------------------------------------------------------------------+
|    1 |    1 | a large wild animal of the cat
family with yellowish-orange fur with black lines
that lives in parts of Asia          |
|    2 |    2 | a swollen edible bulb used as a vegetable, having a pungent taste and smell and composed of several concentric layers. |
|    3 |    3 | a reference source in print or electronic form containing words usually alphabetically.                 |
+------+------+---------------------------------------------------------------------------------------------------------+
3 rows in set (0.00 sec)
```

Figure 1.4: Register Page

```
mysql> select * from language;
+------+------+--------------------+------------------------+------------------------------+
| m_id | l_id | hindi              | telugu                 | marathi                      |
+------+------+--------------------+------------------------+------------------------------+
|    1 |    1 | बाघ                | ుల                     |  वाघ                         |
|    2 |    2 |  प्या ज             | ఉని్న్                   |  कां दा  चिरून                  |
|    3 |    3 | अभि धान             |  అభిదాన                 |  श ब्द कोश                     |
+------+------+--------------------+------------------------+------------------------------+
3 rows in set (0.00 sec)
```

Figure 1.5: Register Page

```
mysql> select * from pos;
+------+--------+------------------------------------------------------------------------------------------------------------------------------
+----------------------------------+--------+
| l_id | pos_id | noun
| verb                             | adverb |
+------+--------+------------------------------------------------------------------------------------------------------------------------------
+----------------------------------+--------+
|    1 |      1 |  a large wild animal of the cat
| n/a                              | n/a    |
|    2 |      2 | an alliaceous plant, Allium cepa, having greenish-white flowers
| To season or flavour with onions | n/a    |
|    3 |      3 | a reference source in print or electronic form containing words usually alphabetically arranged along with
information about their forms | n/a                              | n/a    |
+------+--------+------------------------------------------------------------------------------------------------------------------------------
+----------------------------------+--------+
3 rows in set (0.00 sec)
```

Figure 1.6: Register Page

```
mysql> select * from example;
+--------+-------+------------------------------------------------------------------------------------------------------------------------+--
-------------------+
| pos_id | ex_id | example                                                                                                                | s
yn                 |
+--------+-------+------------------------------------------------------------------------------------------------------------------------+--
-------------------+
|      1 |     1 | The zoo has a large collection of tigers.                                                                              | -
 Panthera Tigris   |
|      2 |     2 | An onion, also known as the bulb onion or common onion, is a vegetable that is the most widely cultivated species of the genus Allium | A
llium ascalonicum. |
|      3 |     3 | Look it up in the dictionary                                                                                           | p
roceed             |
+--------+-------+------------------------------------------------------------------------------------------------------------------------+--
-------------------+
3 rows in set (0.00 sec)
```

Figure 1.7: Register Page

```
mysql> desc meaning;
+----------+--------------+------+-----+---------+-------+
| Field    | Type         | Null | Key | Default | Extra |
+----------+--------------+------+-----+---------+-------+
| w_id     | int          | YES  |     | NULL    |       |
| m_id     | int          | YES  | MUL | NULL    |       |
| meanning | varchar(145) | NO   |     | NULL    |       |
+----------+--------------+------+-----+---------+-------+
3 rows in set (0.01 sec)
```

Figure 1.8: Register Page

```
mysql> desc language;
+---------+--------------+------+-----+---------+-------+
| Field   | Type         | Null | Key | Default | Extra |
+---------+--------------+------+-----+---------+-------+
| m_id    | int          | YES  |     | NULL    |       |
| l_id    | int          | YES  | MUL | NULL    |       |
| hindi   | varchar(145) | NO   |     | NULL    |       |
| telugu  | varchar(145) | NO   |     | NULL    |       |
| marathi | varchar(145) | NO   |     | NULL    |       |
+---------+--------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

Figure 1.9: Register Page

```
mysql> desc pos;
+--------+---------------+------+-----+---------+-------+
| Field  | Type          | Null | Key | Default | Extra |
+--------+---------------+------+-----+---------+-------+
| l_id   | int           | YES  |     | NULL    |       |
| pos_id | int           | YES  | MUL | NULL    |       |
| noun   | varchar(145) | YES  |     | NULL    |       |
| verb   | varchar(145) | YES  |     | NULL    |       |
| adverb | varchar(145) | YES  |     | NULL    |       |
+--------+---------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

Figure 1.10: Register Page

```
mysql> desc example;
+---------+--------------+------+-----+---------+-------+
| Field   | Type         | Null | Key | Default | Extra |
+---------+--------------+------+-----+---------+-------+
| pos_id  | int          | YES  |     | NULL    |       |
| ex_id   | int          | YES  | MUL | NULL    |       |
| example | varchar(145) | YES  |     | NULL    |       |
| syn     | varchar(145) | YES  |     | NULL    |       |
+---------+--------------+------+-----+---------+-------+
4 rows in set (0.00 sec)
```

Figure 1.11: Register Page

1.8 Words in dictionary

There are two words in the database. tiger and onion.

1. **tiger**

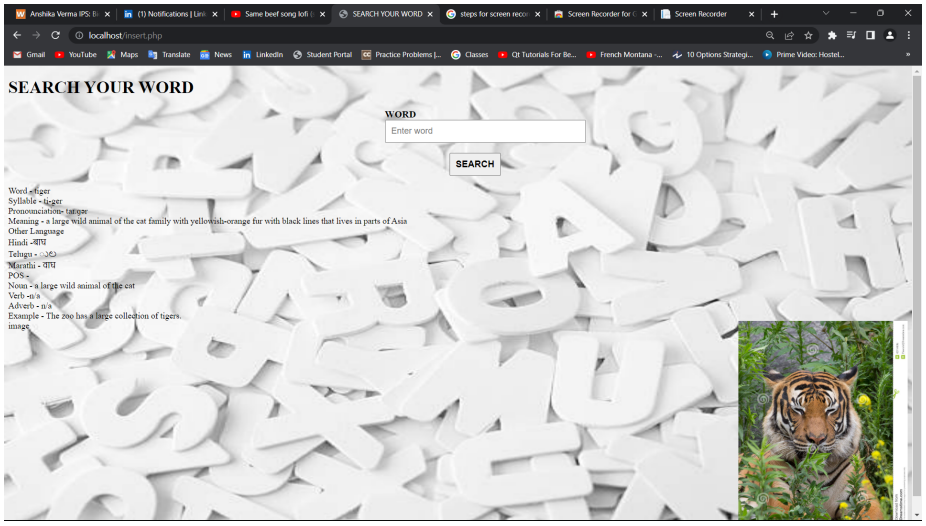

Figure 1.12: Register Page

2. **onion**

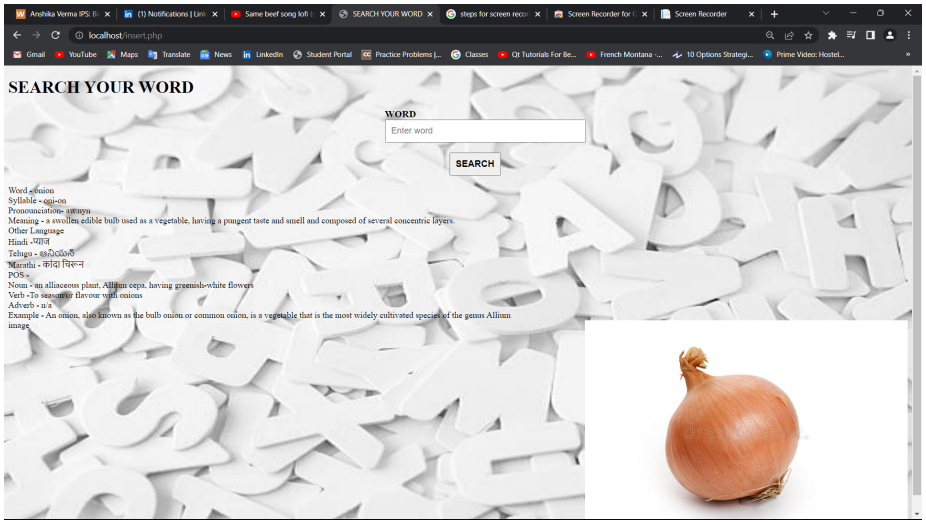

Figure 1.13: Register Page