DBMS_ASSIGNMENT

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<u>ABSTRACT</u>

Here i have tried to make Multilingual Dictionary which shows the word its meaning and an example associated with that meaning ,partsofspeech of that word,synonym, Antonym of that word and the meaning of that word in three different INDIAN language

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INTRODUCTION

Multilingual Dictionary is the Dictionary that contains the word its meaning ,synonym ,antonym,Example and the meaning of that word in three different INDIAN Languages such as Hindi,Sanskrit and Telugu. I am using the mysql and php for this project in which i have connected my database with php.
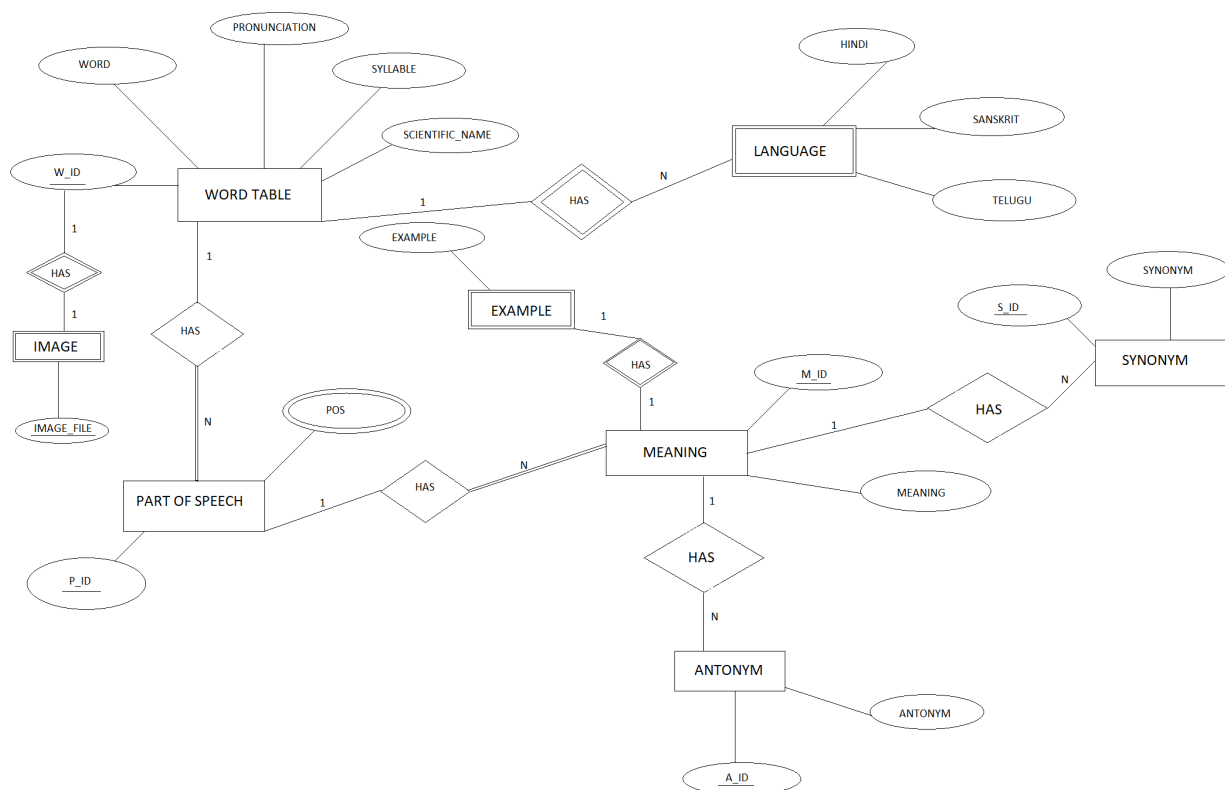
2. REQUIREMENTS

For completing this Assignment i am using the MYSQL Database php and UBUNTU

ASSUMPTION:
1. I am assuming that words stored in language table are strings instead of a multivalue attribute.

2. The same thing is applied for synonyms and antonyms.

3. ER DIAGRAM

An ER model is typically implemented as a database. In a simple relational database implementation, each row of a table represents one instance of an entity type, and each field in a table represents an attribute type. In a relational database a relationship between entities is implemented by storing the primary key of one entity as a pointer or "foreign key" in the table of another entity

4. RELATIONAL SCHEMA

WORDS_TABLE:

W_ID(P_K)	WORD	PRONUNCIATION	SYLLABALE	SCIENTIFIC_N

PARTOFSPEECH:

W_ID(F_K)	P_ID(P_K)	POS

MEANING:

W_ID(F_K)	P_ID(F_K)	M_ID(P_K)	MEANING

SYNONYM_TABLE:

height' cm P_ID(F_K)	M_ID(F_K)	S_ID(P_K)	SYNONYM

ANTONYM_TABLE:

P_ID(F_K)	M_ID(F_K)	A_ID(P_K)	ANTONYM

EXAMPLE:

M_ID(F_K)	EXAMPLE

LANGUAGE:

W_ID(F_K)	HINDI	SANSKRIT	TELUGU

IMAGE:

W_ID(F_K)	P_ID(F_K)	IMAGE_FILE

5. TABLE DESCRIPTION

WORDS_TABLE:
W_ID: INT PRIMARY KEY
WORD: VARCHAR
PRONUNCIATION: VARCHAR
SYLLABLE: VARCHAR
SCIENTIFIC_NAME: VARCHAR

PARTOFSPEECH:
W_ID: INT FOREIGN KEY
P_ID: INT PRIMARY KEY
POS: VARCHAR
SCIENTIFIC_NAME: VARCHAR

MEANING:
M_ID: INT PRIMARY KEY
W_ID: INT FOREIGN KEY
P_ID: INT FOREIGN KEY
MEANING: VARCHAR

SYNONYM_TABLE:
S_ID: INT PRIMARY KEY
M_ID: INT FOREIGN KEY
P_ID: INT FOREIGN KEY
SYNONYM: VARCHAR

ANTONYM_TABLE:
A_ID: INT PRIMARY KEY
M_ID: INT FOREIGN KEY
P_ID: INT FOREIGN KEY
ANTONYM: VARCHAR

EXAMPLE:
M_ID: INT FOREIGN KEY
EXAMPLE: VARCHAR

LANGUAGE:
W_ID: INT FOREIGN KEY
HINDI: VARCHAR
SANSKRIT: VARCHAR
TELUGU: VARCHAR

IMAGE:
W_ID: INT FOREIGN KEY
P_ID: INT FOREIGN KEY
IMAGE_FILE: BLOB

BIBLIOGRAPHY

1. Merriam Webster : https://www.merriam-webster.com/
   To search for the meaning of the words and synonyms in English.

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