Students:

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Project Overview:

This web application generates "7 Little Words" puzzle for a "title" using the 7 clues and 7 words stored in the database.

The ADMIN:

- Can create, update or delete entries in the database (one row at a time)
- Can view the data in Jquery datatable (searching, sorting, filtering, pagination, page counts)
- Can export the data as COPY/Excel/CSV/PDF using Jquery Data table.
- Can import the data into DB using CSV import (within the User Interface)
- Can generate the puzzles and save the puzzles (to another table
- Can import or export the data using CSV files
- Can generate the puzzle for each row in the database
- Can generate the puzzles for all of the rows in the database (single page HTML)

SUPER-ADMIN (there will be only 1) (But this functionality is out of scope for this semester)
- Can create / add / delete other users (registered users) and designate them as ADMINs.

* This project is multi-lingual (should work for both English and Telugu) (just like Rebus application).

A sample puzzle (english)

List

About

Login

1 basic math (10) _____

2 candy factory owner Willy (5) _____

3 word-making board game (8) _____

4 thick pieces (6) _____

5 reality game show (7) _____

6 spider friend of pig Wilbur (9) _____

7 it's used after shampoo (11) _____

CHU	NER	DI	LE	ABB
CHA	WO	EO	ARI	UT
WIP	THME	SCR	TIC	TIO
RLO	NKS	TTE	CON	NKA

A sample puzzle (telugu)

No.	CLUES	SOLUTIONS
1	గురజాడకు మరో బిరుదు	(5) Letters
2	గురజాడ నాటకంలో ఒక పాత్ర (1)	(3) Letters
3	గురజాడ రచించిన సుప్రసిద్ధ గేయం	(8) Letters
4	గురజాడ నాటకంలో ఒక పాత్ర (3)	(5) Letters
5	గురజాడ నాటకంలో ఒక పాత్ర (2)	(5) Letters
6	గురజాడకు ఉన్న ఒక బిరుదు	(12) Letters
7	గురజాడ రచించిన నాటకం	(4) Letters

హూడు	ర్ణమ్మా	తామ	రామప్పం
శుల్కం	శం	ఖర	అభ్య
కవిశే	తులు	దయ	కన్యా
డిబో	మ్మాపూ	వాణి	కవి
పుత్త	గిరి	మధుర	తాపి

Database Schema

List About Login

Table: words

word_id (int) (primary key)
title
subtitle
word1
word2
word3
word4
word5
word6
word7
clue1
clue2
clue3
clue4
clue5
clue6
clue7
topic
comments
image

There are just two tables in this application (words and users). We will provide "crud" operations only on the "words" table.

"Red" columns can be null.
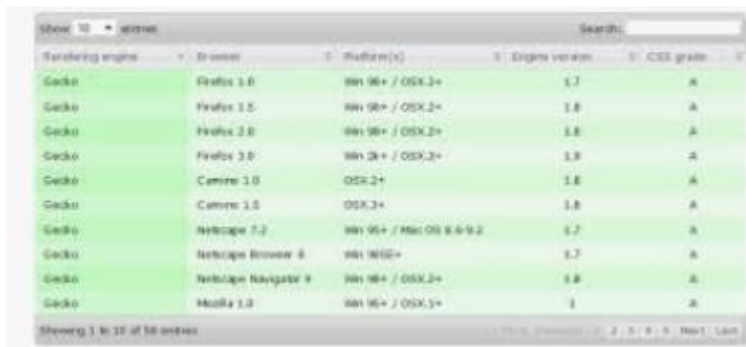"Black" columns can not be null

list.php

list.php

This is to show the list of all the "titles" that are in the system.
This is meant for the end users. So, we do not show the words or clues.
We will just show the "image" (which is a generated puzzle) to the users.

id, title, sub_title, puzzle (thumb nail of the image), actions (view, play)

This is a JQUERY Table meant for the end users / visitors..

Searching, Sorting, pagination are needed.

However, do NOT show CSV, Excel, Copy, PDF

Clicking on the thumbnail shows the full size (javascript image). Clicking on it again minimizes it.

(Letting the users play the game is out of scope for this semester).

about.php and login.php

List About Login

about.php

Provides a brief description about the application.
And its version history.

login.php

Registered Users (out of scope for now), Admins and Super-Admin can login using this action.
As in "publishersdb." example, provide another table called "users". We will hardcode a couple of ADMIN users in this table.
CRUD of users is out of scope in this semester.

List   About   Login

Add Word

Word List

Users

Export

Import

Configure

Backup

Report

compile

Upon successful login into the application by ADMIN, the above actions will appear for the ADMIN.

Add a seven set word:

Title: [_____]   **Topic:** [_____]

Subtitle: [_____]

Word 1: [_____]   **Clue 1:** [_____]

Word 2: [_____]   **Clue 2:** [_____]

Word 3: [_____]   **Clue 3:** [_____]

Word 4: [_____]   **Clue 4:** [_____]

Word 5: [_____]   **Clue 5:** [_____]

Word 6: [_____]   **Clue 6:** [_____]

Word 7: [_____]   **Clue7:** [_____]

Comments: [_____]

[Add]   [Validate]

Table: words

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word4
word5
word6
word7
clue1
clue2
clue3
clue4
clue5
clue6
clue7
topic
comments
image

We will show all the columns of the table (as this is meant for Admins).
We will show only "image" thumbnail if it exists.
We will show only the first 10 characters of the "comments
 followed by thee dots (...). The hyperlink of the comments shows the full text of the comments.

The last column "actions" will have three action icons

- Update (lets the admin update the data; word_id is read only field. Other fields can be updated).
admin_update.php?word_id=nn

- Delete (deletes the row in the DB and in the table; control comes back to the table)
admin_delete.php?word_id=nn

- Upload (lets the admin upload an image or replace an existing image; Image is typically a generated puzzle screen shot).
We will try to automate this as well if all goes well. This is a stretch goal).
admin_upload.php?word_id=nn

- Generate (generated the 7 little word puzzle; and let the ADMIN do the formatting and color selections –as we did in dabble / scrambler puzzles).
admin_generate.php?word_id=nn

Table: words

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clue3
clue4
clue5
clue6
clue7
topic
comments
image

Other actions..

silC

Users

Export

Import

Configure

Backup

Report

compile

Users (admin_users.php): it will have hard-coded table; We will not do any CRUD
Export (admin_export.php): exports the data into Excel (stretch goal)
Import (admin_import.php): imports the data into Excel (stretch goal)
Configure (admin_configure.php): configuration options (application logo, application name, colors, fonts, sizes, etc.)
Backup (admin_backup.php): creates the backup of the current DB.
Report (admin_reports.php): Provides summary charts (based on google charts API) of words, topics, puzzles generated, etc.)
Compile (admin_compile.php): Lets the admin compile all the puzzles (based on some search criteria) into a single HTML page.

High Level flow and design are provided.

We will work through the rest of the details in the subsequent iterations.

Dionndra Mullins: CRUD of word sets, word_list.php, admin_backup.php, admin_report.php and integration of the work.

Vadim Malikin: admin_generate.php (javascript options), list.php, about.php, login.php, admin_compile.php, configure.php and integration of the work.

Users (admin_users.php): it will have hard-coded table; We will not do any CRUD
Export (admin_export.php): exports the data into Excel (stretch goal)
Import (admin_import.php): imports the data into Excel (stretch goal)
Configure (admin_configure.php): configuration options (application logo, application name, colors, fonts, sizes, etc.)
Backup (admin_backup.php): creates the backup of the current DB.
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Compile (admin_compile.php): Lets the admin compile all the puzzles (based on some search criteria) into a single HTML page.

Questions

Contact your instructor through email or by leaving a comment on the trello card.
Using trello cards to communicate is preferred option (you can tag me when you comment)

https://trello.com/b/wlnVqsvV/ics325fa18sevenlittlewords