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CS148

Luke Trinity

Assignment: Final Project

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# Animal Sound Quiz

Version <1.0>

Title of project	Version <1.0>
Animal Sound Quiz	Date : 12/8/2016

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Time Log			
Estimated time to complete assignment =>			100 Hours
Date	Time Spent (in hours)	Description	Author
10/30/16	1	Realizing that the final project is coming up	Luke Trinity
10/31/16	1	Struggling to think of an idea	Luke Trinity
11/2/16	1	Reviewing assignment requirements	Luke Trinity
11/4/16	2	Brainstorming ideas	Luke Trinity
11/5/16	2	Working on specs document	Luke Trinity
11/6/16	2	Finally had an idea!	Luke Trinity
11/7/16	2	Refining data dictionary	Luke Trinity
11/9/16	2	Working on ER diagram	Luke Trinity
11/12/16	2	Working on ER diagram and table relationships	Luke Trinity
11/16/16	2	Working on ER diagram	Luke Trinity
11/18/16	2	Finalizing ER diagram	Luke Trinity
11/20/16	2	Getting git set up and basic files on project site	Luke Trinity
11/22/16	3	Getting images and sounds to show up on question page	Luke Trinity
11/24/16	2	Linking image with sound to prepare for question form	Luke Trinity
12/3/16	3	Inserting into tblQuizzes and tblQuizzesQuestions	Luke Trinity
12/4/16	3	Setting up registration and tracking user info	Luke Trinity
12/5/16	4	More animals, starting and ending quizzes	Luke Trinity
12/6/16	4	No repeat questions, more style	Luke Trinity
12/7/16	8	Leaderboard, review past quizzes and questions	Luke Trinity
12/8/16	6	Schema, data dictionary, specs, er diagram, final touches	Luke Trinity
	55	<=Total Time Spent	Luke Trinity

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## Introduction

### Purpose

The purpose of this document is to describe the requirement specification for the web site “animal sound quiz”.

The intended audience for this document is any judges, teachers or TAs who want to know more about this project

### Definitions, acronyms, and abbreviations

ER Diagram – a diagram to represent the data you want to save with your system

W3 Validation – refers to both Html and CSS validation tool provided by the W3c.org. the html validator is located at:

<http://validator.w3.org/>

with the CSS validator located at:

<http://jigsaw.w3.org/css-validator/>

## Overall Description

This site will allow users to register, take quizzes, and review their results. The more questions answered correctly, the higher a users level will increase.

## Story Board

<p>Can you recognize this sound</p> <p>INSERT SOUND HERE</p> <p>SHOW PHOTOS OF POSSIBLE ANIMALS HERE</p> <p>CLICK HERE TO REVIEW YOUR PREVIOUS QUESTIONS</p>
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## Data Dictionary

tblAnimals					
Column	Type	Null	Default	Links to	Comments
pmkAnimalName (Primary)	varchar(20)	No			
fldLevel	int(11)	No			
tblQuestions					
Column	Type	Null	Default	Links to	Comments
pmkQuestionId (Primary)	int(11)	No			
fnkRightAnswerAnimalId	varchar(20)	No			
tblQuestionsAnimals					
Column	Type	Null	Default	Links to	Comments
fnkQuestionId (Primary)	int(11)	No			
fnkAnimalName (Primary)	varchar(20)	No			
tblQuizzes					
Column	Type	Null	Default	Links to	Comments
pmkQuizId (Primary)	int(11)	No			
fldDateCreated	timestamp	Yes	CURRENT_TIMESTAMP		
fldQuizName	varchar(20)	Yes	NULL		
tblUsersQuizzes					
Column	Type	Null	Default	Links to	Comments
fnkUserId (Primary)	int(11)	No			
fnkQuizId (Primary)	int(11)	No			
fldNumberCorrect	int(3)	No	0		
fldTotalQuestions	int(3)	No			

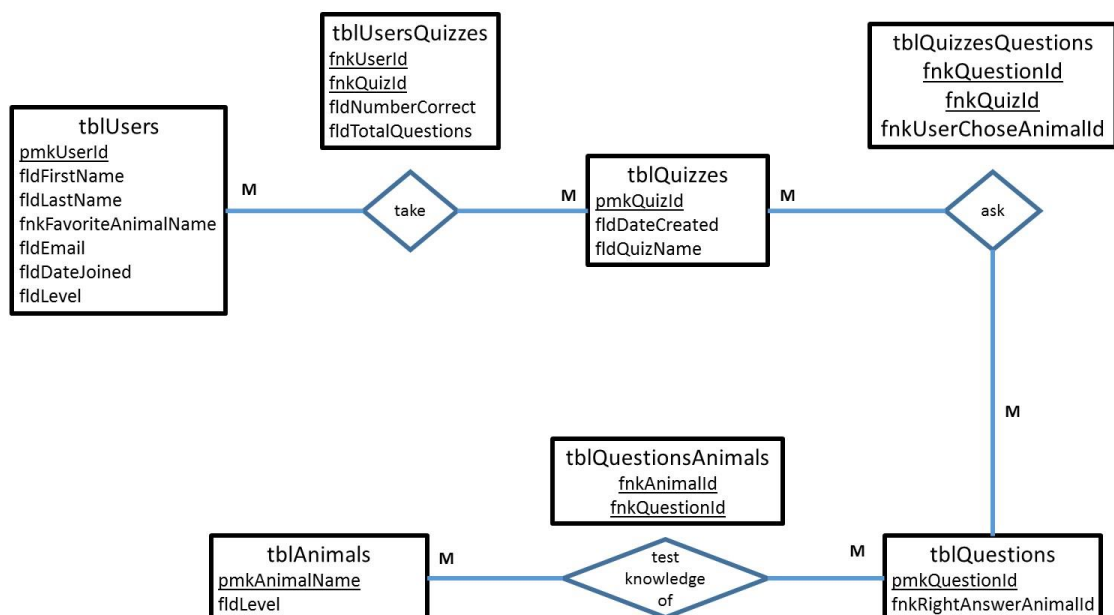
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tblQuizzesQuestions					
Column	Type	Null	Default	Links to	Comments
fnkQuizId (Primary)	int(11)	No			
fnkQuestionId (Primary)	int(11)	No			
fnkUserChoseAnimalName	varchar(20)	No			

tblUsers					
Column	Type	Null	Default	Links to	Comments
pmkUserId (Primary)	int(11)	No			
fldFirstName	varchar(15)	Yes	NULL		
fldLastName	varchar(15)	Yes	NULL		
fnkFavoriteAnimalName	varchar(20)	No	tiger		
fldEmail	varchar(40)	No			
fldDateJoined	timestamp	No	CURRENT_TIMESTAMP		
fldLevel	int(1)	No	1		
fldConfirmed	int(1)	No	0		
fldApproved	int(1)	No	0		

## ER- Diagram



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## Schema

```
CREATE TABLE IF NOT EXISTS tblUsers(
pmkUserId int(11) NOT NULL AUTO_INCREMENT,
fldFirstName varchar(15) NULL,
fldLastName varchar(15) NULL,
fnkFavoriteAnimalName varchar(20) NOT NULL DEFAULT 'tiger',
fldEmail varchar(40) NOT NULL,
fldDateJoined TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP,
fldLevel int(1) NOT NULL DEFAULT '1',
fldConfirmed int(1) NOT NULL DEFAULT '0',
fldApproved int(1) NOT NULL DEFAULT '0',
PRIMARY KEY (pmkUserId))
```

```
CREATE TABLE IF NOT EXISTS tblUsersQuizzes(
fnkUserId int(11) NOT NULL,
fnkQuizId int(11) NOT NULL,
fldNumberCorrect int(3) NOT NULL DEFAULT '0',
fldTotalQuestions int(3) NOT NULL,
CONSTRAINT pmkUsersQuizzesId PRIMARY KEY(fnkUserId,fnkQuizId))
```

```
CREATE TABLE IF NOT EXISTS tblQuizzes(
pmkQuizId int(11) NOT NULL AUTO_INCREMENT,
fldDateCreated varchar(20) NOT NULL,
fldQuizName timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
PRIMARY KEY (pmkQuizId))
```

```
CREATE TABLE IF NOT EXISTS tblQuizzesQuestions(
fnkQuizId int(11) NOT NULL,
fnkQuestionId int(11) NOT NULL,
fnkUserChoseAnimalName varchar(20) NOT NULL,
CONSTRAINT pmkQuizzesQuestionsId PRIMARY KEY(fnkQuizId,fnkQuestionId))
```

```
CREATE TABLE IF NOT EXISTS tblQuestions(
pmkQuestionId int(11) NOT NULL AUTO_INCREMENT,
fnkRightAnswerAnimalId varchar(20) NOT NULL,
PRIMARY KEY (pmkQuestionId))
```

```
CREATE TABLE IF NOT EXISTS tblQuestionsAnimals(
fnkQuestionId int(11) NOT NULL,
fnkAnimalName varchar(20) NOT NULL,
CONSTRAINT pmkQuestionsAnimalsId PRIMARY KEY(fnkQuestionId))
```

```
CREATE TABLE IF NOT EXISTS tblAnimals(
```

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pmkAnimalName varchar(20) NOT NULL,  
fldLevel int(1) NOT NULL,  
PRIMARY KEY (pmkAnimalName))

## Specific requirements

1. at least three related tables.
2. Specs document save as a pdf to be posted on your site with a link on your sitemap
3. interface should be easy to follow and understand.
4. Administrator has ability to
  - a. Add records -- (populating relation tables automatically)
  - b. Update records
  - c. Delete records (deleting relational records automatically)
  - d. All information is validated
5. minimum one form
  - a. Insert data into at least two tables.
  - b. Include one text box for a users email address (the ones that make sense).
  - c. Include two additional text boxes.
  - d. Include one list box.
  - e. Include three check boxes.
  - f. Include three radio buttons.
  - g. Include Submit button.
  - h. Field sets and legends as needed.
  - i. data should be validated for not missing, valid format etc as needed with php, appropriate error messages will be displayed.
  - j. Form should email the person who filled it out.
  - k. Form data should be saved to your database (one form needs to save to more than one table at once).
  - l. Forms always need to provide feedback to the user so they know what happened after filling out the form.
6. Use git and gitlab to version your project. Create a screen shot of you commit page and post a link on your site map to this screen shot. Your repository should be private.
7. Minimum of six web pages.
8. validate your html and CSS (w3c.org).
9. have the following Meta tags: author, content, description.
10. have a link on your main index page to this assignment.