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CS148(B) Database Design for the Web

Yang Guo

Assignment: 10

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I want to be the very best

Version <1.0>

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	Date :12/1/2015

## Table Of Contents

<b>Time Log .....</b>	<b>3</b>
<b>Introduction .....</b>	<b>4</b>
Purpose .....	4
Definitions, acronyms, and abbreviations .....	4
<b>Overall Description .....</b>	<b>4</b>
<b>Story Board .....</b>	<b>5</b>
<b>Assignment requirements .....</b>	<b>Error! Bookmark not defined.</b>
<b>Specific requirements .....</b>	<b>9</b>

I want to be the very best	Version <1.0>
	Date :12/1/2015

<b>Time Log</b>			
Estimated time to complete assignment =>			30 Hours
Date	Time Spent (in hours)	Description	Author
12/1	2	ER Diagram	YG
12/2	2	Schema	YG
12/2	.5	Story Board	YG
12/2	.5	Start Project Spec Document	YG
12/3	6	Make Pages	YG
12/4	6	Login	YG
12/5	2	See TA	YG
12/5	2	Work on database	YG
12/5	5	Worked on admin	YG
12/6	5	Work on form	YG`
12/7	1	Find pictures	YG
12/8	4	CSS	YG
12/8	.5	Finish Spec Doc	YG
	36.5 Hours	<=Total Time Spent	

I want to be the very best	Version <1.0>
	Date :12/1/2015

## Introduction

### Purpose

The purpose of this document is to describe the requirement specification for the web site “I want to be the very best”.

The intended audience for this document is for people who want to experience the thrill of picking their first Pokémon. Of course the site is not 100% functional and still need some work. If future developer are willing to buy it, it is available.

### Definitions, acronyms, and abbreviations

*Sample for the client:*

HTML – Hypertext markup language – used to define your content.

PHP – Personal Home Page – language that helps to customize html.

CSS – Cascading Style Sheets – used to define the look of a web site.

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 website can only be accessed with a login and password. If a person does not have one, then they can click on register and make one. When they register they can pick a beginner Pokémon. The website can be used for gathering information on what the gym leaders are in that region. Also an administrator can add and delete any information or can edit.

I want to be the very best	Version <1.0>
	Date :12/1/2015

## Story Board

Schema -

```
CREATE TABLE tblUser(
  pkUserId int(4) PRIMARY KEY NOT NULL AUTO_INCREMENT,
  fldFirstName varchar(20),
  fldLastName varchar(20),
  fldEmail varchar(35),
  fldGender varchar(10),
  fldTrainerName varchar(25),
  fldPassword varchar(25),
  fldDateJoined timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP,
  fkPokemonId int(4) not null references tblPokemon(pkPokemonId)
)
ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO_INCREMENT=2;
```

```
CREATE TABLE tblPokemon(
  pkPokemonId int(4) PRIMARY KEY NOT NULL AUTO_INCREMENT,
  fldType varchar(20),
  fldSpecies varchar(20),
  fldImage varchar(25),
  fldHealth int(5),
  fldAttack int(5),
  fldDefense int(5)
)
ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO_INCREMENT=1;
```

```
CREATE TABLE tblGymLeaders(
  pkGymLeaderId int(4) PRIMARY KEY NOT NULL AUTO_INCREMENT,
  fldType varchar(20),
  fldBadge varchar(20),
  fldRegion varchar(25),
  fldLocation varchar(25),
  fldImage varchar(25)
)
ENGINE=MyISAM DEFAULT CHARSET=utf8 AUTO_INCREMENT=1;
```

I want to be the very best	Version <1.0>
	Date :12/1/2015

## Data Dictionary -

Table comments: tblGymLeaders

Column	Type	Null	Default	Comments	MIME
pkGymLeaderId	int(4)	No			
fldType	varchar(20)	Yes	NULL		
fldBadge	varchar(20)	Yes	NULL		
fldRegion	varchar(25)	Yes	NULL		
fldLocation	varchar(25)	Yes	NULL		
fldDescription	text	Yes	NULL		
fldImage	varchar(25)	Yes	NULL		

## tblPokemon

Table comments: tblPokemon

Column	Type	Null	Default	Comments	MIME
pkPokemonId	int(4)	No			
fldType	varchar(20)	Yes	NULL		
fldSpecies	varchar(20)	Yes	NULL		
fldImage	varchar(25)	Yes	NULL		
fldHealth	int(5)	Yes	NULL		
fldAttack	int(5)	Yes	NULL		
fldDefense	int(5)	Yes	NULL		

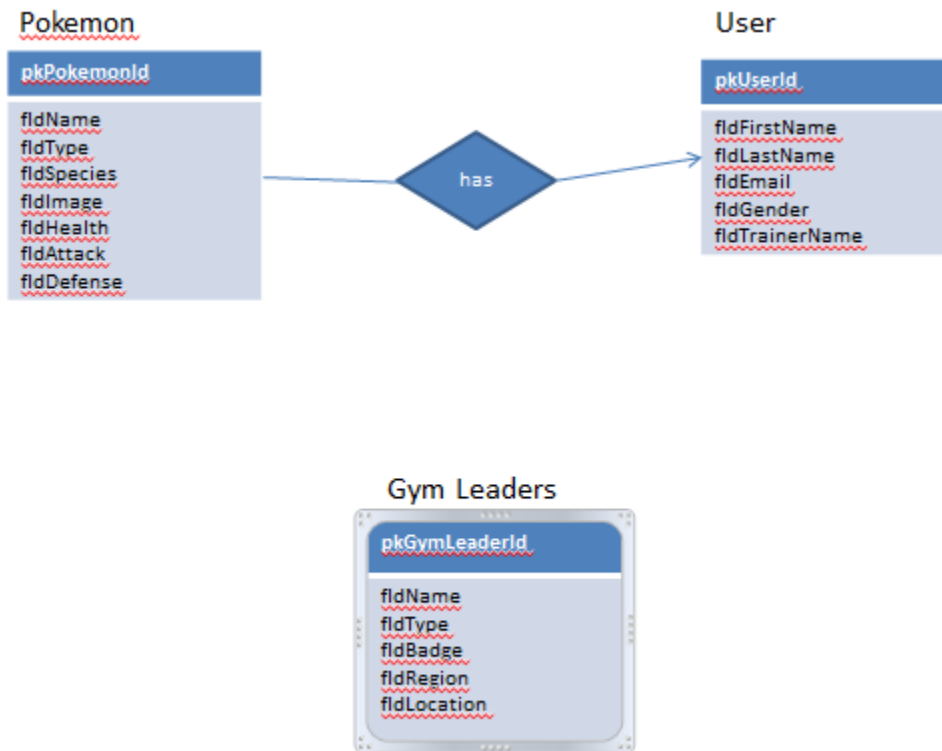
## tblUser

Table comments: tblUser

Column	Type	Null	Default	Comments	MIME
pkUserId	int(4)	No			
fldFirstName	varchar(20)	Yes	NULL		
fldLastName	varchar(20)	Yes	NULL		
fldEmail	varchar(35)	Yes	NULL		
fldGender	varchar(10)	Yes	NULL		
fldTrainerName	varchar(25)	Yes	NULL		
fkPokemonId	int(4)	No			

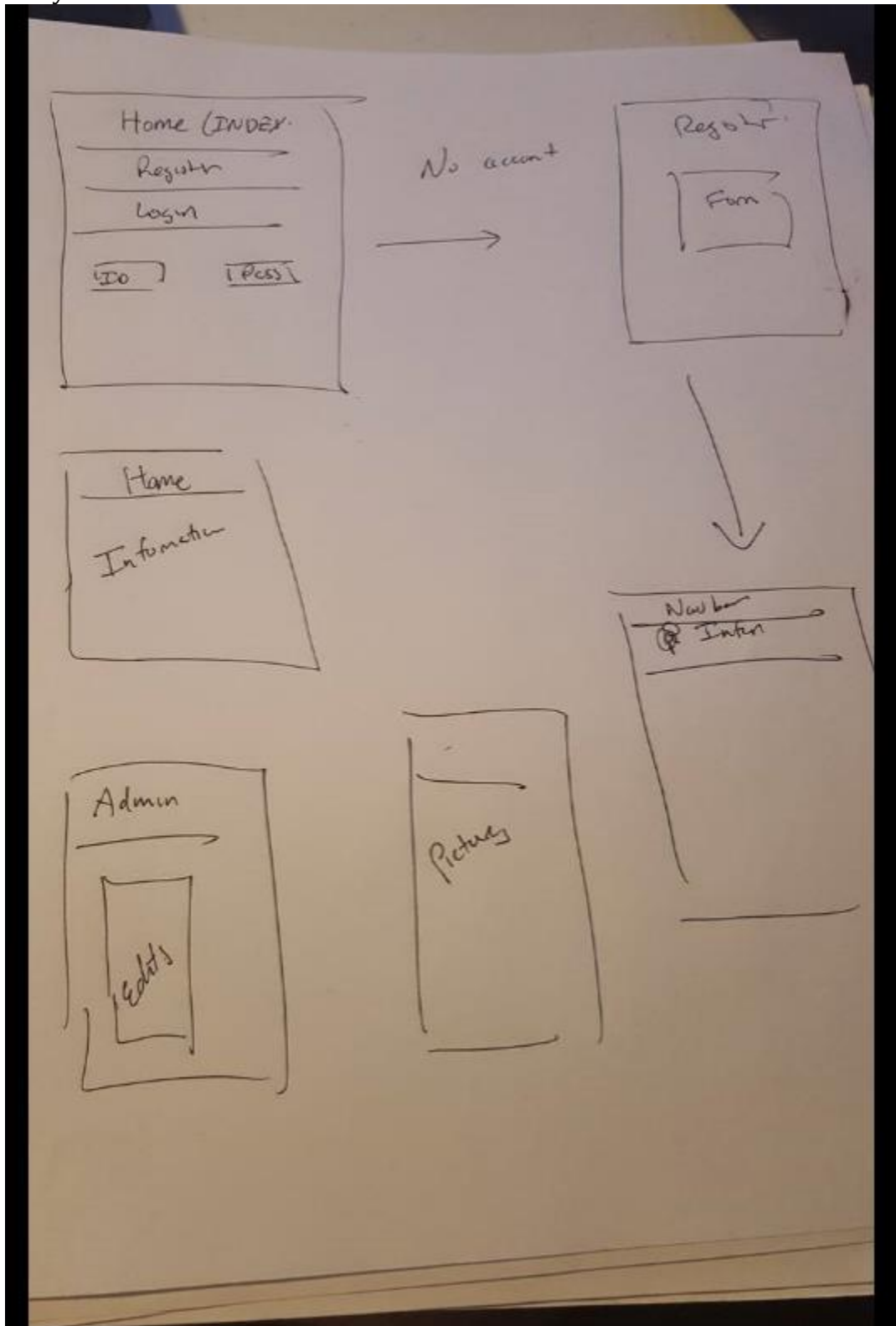
I want to be the very best	Version <1.0>
	Date :12/1/2015

ER Diagram -



I want to be the very best	Version <1.0>
	Date :12/1/2015

## Story Board-





I want to be the very best	Version <1.0>
	Date :12/1/2015

## Specific requirements

1. *Title for main page: Pokemon Trainer*
2. *Meta Description: Listed in Top.php*
3. *Meta Character set: UTF - 8*
4. *Logo: pokemonBanner.png*
5. *Main page photo: pokemonBanner.png*
6. *Register.php* – register
7. *Index.php* – default page
8. *adminEdit.php* – admin access to edit/add/delete
9. *trainers.php* – Trainer info (user)
10. *gymleaders.php* – Gym leader information
11. *loginhome.php* – login page