
CS 148 Database Design for the Web

Gus Johnson

Final Project

Gus's Online Skate Shop

Version <1.0>

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Software Requirements Specifications	Date 11.3.13

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Software Requirements Specifications

Introduction

Purpose

The purpose of this document is to describe the requirement specification for the web site "Gus's Online Skate Shop."

The intended audience for this document is web developers. The goal being that you can give this document to someone and they can make the site without having to ask any questions.

Definitions, acronyms, and abbreviations

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/>

Overview

The rest of this document contains an overall description of "Gus's Online Skate Shop".

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Overall Description

The purpose of this document is to showcase the E-R diagram, schema, and data dictionary of the website "Gus's Online Skate Shop".

The intended audience for this website is skateboarders. Like any machine, the skateboard breaks down quite frequently. I intend to make an online store that stocks skateboard parts of all types. Decks, trucks, and wheels are all different skateboard parts.

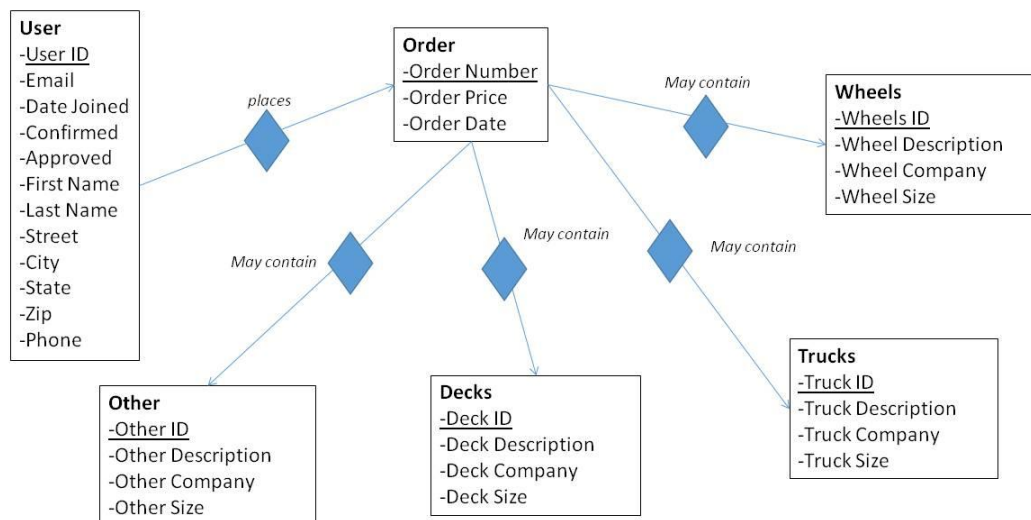
Data Dictionary

TABLE	COLUMN	TYPE	PRECISION	SCALE	PK	DESCRIPTION
User	UserID	INT	11		Yes	Unique ID given to every user.
User	Email	VARCHAR	65		No	User's Email.
User	DateJoined	TIMESTAMP			No	Time of user's registration.
User	Confirmed	TINYINT	1		No	Confirmation of registration.
User	Approved	TINYINT	4		No	Approval of registration.
User	FirstName	CHAR	30		No	User's first name.
User	LastName	CHAR	30		No	User's last name.
User	Street	CHAR	30		No	User's street.
User	City	CHAR	30		No	User's city.
User	State	CHAR	3		No	User's state.
User	Zip	CHAR	7		No	User's zipcode.
User	Phone	CHAR	10		No	User's phone number.
Order	OrderNumber	CHAR	20		Yes	Order number.
Order	OrderPrice	DECIMAL	5	2	No	Order price.
Order	OrderDate	TIMESTAMP			No	Time of order.
Order	UserID	INT	11		No	User's ID.
Wheels	WheelsID	CHAR	30		Yes	Wheel's ID.
Wheels	WheelDesc	CHAR	200		No	Description of wheels.
Wheels	WheelCo	CHAR	30		No	Wheel company.
Wheels	WheelSize	CHAR	5		No	Wheel size.
Wheels	OrderNumber	CHAR	20		No	Order number.
Trucks	TruckID	CHAR	30		Yes	Truck ID.

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Trucks	TruckDesc	CHAR	200		No	Truck description.
Trucks	TruckCo	CHAR	30		No	Truck company.
Trucks	TruckSize	CHAR	5		No	Truck size.
Trucks	OrderNumber	CHAR	20		No	Order number.
Decks	DeckID	CHAR	30		Yes	Deck ID.
Decks	DeckDesc	CHAR	200		No	Deck description.
Decks	DeckCo	CHAR	30		No	Deck company.
Decks	DeckSize	CHAR	10		No	Deck size.
Decks	OrderNumber	CHAR	20		No	Order number.

E-R Diagram



Schema

```

CREATE TABLE tblUser(
-> pkUserID INT(11) PRIMARY KEY,
-> fldEmail VARCHAR(65),
-> fldDateJoined TIMESTAMP default CURRENT_TIMESTAMP,
-> fldConfirmed TINYINT(1),
-> fldApproved TINYINT(4),
-> fldFirstName CHAR(30),
-> fldLastName CHAR(30),

```

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```
-> fldStreet CHAR(30),
-> fldCity CHAR(30),
-> fldState CHAR(3),
-> fldZip CHAR(7),
-> fldPhone CHAR(10),
-> );
```

```
-----
CREATE TABLE tblOrder(
-> pkOrderNumber CHAR(20) PRIMARY KEY,
-> fldOrderPrice DECIMAL(5,2),
-> fldOrderDate TIMESTAMP default CURRENT_TIMESTAMP,
-> fkUserID INT(11) not null references tblUser(pkUserID),
-> );
```

```
-----
CREATE TABLE tblWheels(
-> pkWheelsID CHAR(30) PRIMARY KEY,
-> fldWheelDesc CHAR(200),
-> fldWheelCo CHAR(30),
-> fldWheelSize CHAR(5),
-> fkOrderNumber CHAR(20) not null references tblOrder(pkOrderNumber),
-> );
```

```
-----
CREATE TABLE tblTrucks(
-> pkTruckID CHAR(30) PRIMARY KEY,
-> fldTruckDesc CHAR(200),
-> fldTruckCo CHAR(30),
-> fldTruckSize CHAR(5),
-> fkOrderNumber CHAR(20) not null references tblOrder(pkOrderNumber),
-> );
```

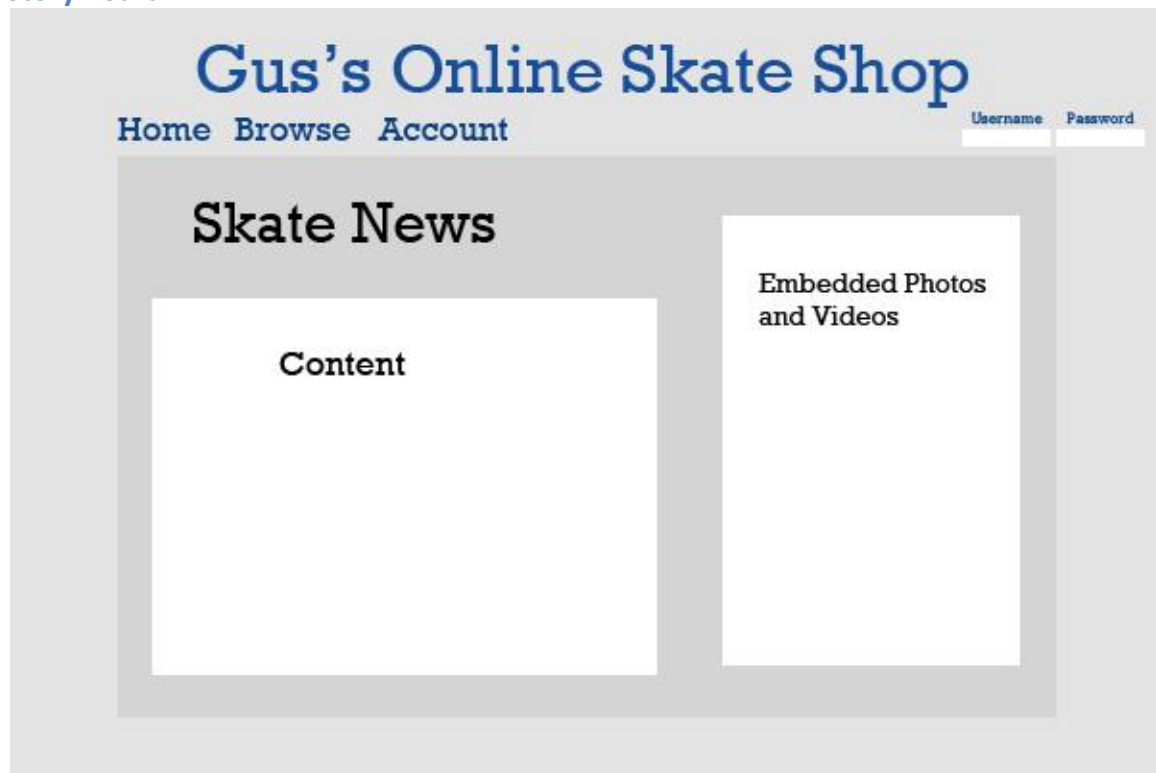
```
-----
CREATE TABLE tblDecks(
-> pkDeckID CHAR(30) PRIMARY KEY,
-> fldDeckDesc CHAR(200),
-> fldDeckCo CHAR(30),
-> fldDeckSize CHAR(10),
-> fkOrderNumber CHAR(20) not null references tblOrder(pkOrderNumber),
-> );
```

```
-----
CREATE TABLE tblOther(
-> pkOtherID CHAR(30) PRIMARY KEY,
-> fldOtherDesc CHAR(200),
-> fldOtherCo CHAR(30),
-> fldOtherSize CHAR(15),
-> fkOrderNumber CHAR(20) not null references tblOrder(pkOrderNumber),
```


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->);

Story Board



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Specific requirements

Here is just a list of things I will require you really need to write the specific requirements as they relate to your project.

1. *Location* – all files will be located in the public folder of your uvm account. The assignment web page and the submit process will detail the exact location. Failure to have your site located in the correct folder by the due dates will result in a zero on the assignment. Be sure to pay attention to the lowercase letters.
2. *Html Validation* – All pages will pass W3C Html validation for html 5.
3. *CSS Validation* – All pages will pass W3C 3.0 CSS validation.
4. *Meta Information* – All pages will contain a proper title tag, Meta tags (author, character set and description).
5. *CSS* – all pages will have a linked style sheet.
6. *Navigation* – All pages will contain navigation to all other pages on the site using an ordered list. Be sure to enclose the navigation in the correct element.
7. *Content* – Each page will have a minimum of 150 words not counting titles, lists or links. Be sure to use the correct elements to hold your content.
8. *Browser compatibility* - This site will be checked on Firefox, Safari, Chrome and Internet Explorer.

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9. *File Names* – the main home page will be called home.php with the rest of the file names up to you (be sure to use .php, .css for the respective files).