CS 148 Database Design for the Web

Laura Kim

Assignment Four

Maxine Davis Glass Art

Version <1.0>

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| Time Log | | | |
| Date | Time Spent (in hours) | Description | Author |
| 10/9/13 | 3.0 | First Version of Software Requirements | Laura Kim |
| 10/11/13 | 0.25 | Scanning in storyboard | Laura Kim |
| 10/20/13 | 3 | Database building | Laura Kim |
| 10/25/13 | 5 | Database building, html styling | Laura Kim |
| 10/27/13 | 3 | Finishing html styling , Second Version of Software Requirements | Laura Kim |
|  |  | Time to complete assignment  \_\_\_\_\_14.25\_\_\_\_ hours |  |
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# Software Requirements Specifications

## Introduction

### Purpose

This document will report the requirement specification for the web site “Maxine Davis Glass Art”. The goal behind documentation is to provide not only a framework, but will include specifications for prospective developers so that the production of the website can be easily achieved.

### 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 the Maxine Davis Glass Art web site.

## Overall Description

Maxine Davis Glass Art will be a site to not only introduce artist, Maxine Davis’s, glass art pieces to the an international audience, but to also function as a place where potential customers can browse, purchase, and even customize art works.

### Data Dictionary

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### E-R Diagram

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### Schema

CREATE TABLE IF NOT EXISTS `art` (

`ArtID` int(10) NOT NULL AUTO\_INCREMENT,

`fkCategoryID` int(11) NOT NULL,

`Title` char(40) DEFAULT NULL,

`Depth` char(2) DEFAULT NULL,

`Width` char(2) DEFAULT NULL,

`Height` char(2) DEFAULT NULL,

`Weight` char(2) DEFAULT NULL,

`ImageName` varchar(8) DEFAULT NULL,

`RetailPrice` decimal(4,2) DEFAULT NULL,

`WholesalePrice` decimal(4,2) DEFAULT NULL,

PRIMARY KEY (`ArtID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=11 ;

CREATE TABLE IF NOT EXISTS `category` (

`CategoryID` int(11) NOT NULL AUTO\_INCREMENT,

`Category` varchar(20) NOT NULL,

PRIMARY KEY (`CategoryID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=4 ;

CREATE TABLE IF NOT EXISTS `customer` (

`Email` varchar(40) NOT NULL,

`LastName` varchar(20) DEFAULT NULL,

`FirstName` varchar(20) DEFAULT NULL,

`Street` varchar(20) DEFAULT NULL,

`City` varchar(20) DEFAULT NULL,

`State` varchar(2) DEFAULT NULL,

`Zip` varchar(5) DEFAULT NULL,

`PhoneNumber` varchar(12) DEFAULT NULL,

`RegisteredDate` date DEFAULT NULL,

`fkUsername` varchar(30) NOT NULL,

`Gender` varchar(1) NOT NULL,

PRIMARY KEY (`Email`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE IF NOT EXISTS `description` (

`Description` text,

`fkArtID` char(10) NOT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE IF NOT EXISTS `order` (

`OrderID` int(11) NOT NULL AUTO\_INCREMENT,

`OrderDate` varchar(40) NOT NULL,

`OrderShipped` datetime DEFAULT NULL,

PRIMARY KEY (`OrderID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=25 ;

CREATE TABLE IF NOT EXISTS `orderart` (

`fkOrderID` char(10) NOT NULL,

`fkArtID` varchar(10) NOT NULL,

`fldQuantityOrdered` char(3) DEFAULT NULL,

`fldPriceEach` decimal(4,2) DEFAULT NULL,

`fldDiscount` int(11) DEFAULT NULL,

`Email` varchar(40) NOT NULL,

`LastName` varchar(20) NOT NULL,

`FirstName` varchar(20) NOT NULL,

`Street` varchar(20) NOT NULL,

`City` varchar(20) NOT NULL,

`State` varchar(2) NOT NULL,

`Zip` varchar(5) NOT NULL,

`PhoneNumber` varchar(20) NOT NULL,

`Gender` varchar(1) NOT NULL,

`Expedite` varchar(1) NOT NULL DEFAULT 'n',

`Gift` varchar(1) NOT NULL DEFAULT 'n',

`ShippingType` varchar(20) NOT NULL,

PRIMARY KEY (`fkOrderID`,`fkArtID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE IF NOT EXISTS `returningcustomer` (

`Username` varchar(15) NOT NULL,

`Password` varchar(15) DEFAULT NULL,

`is\_confirmed` int(11) NOT NULL,

PRIMARY KEY (`Username`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE IF NOT EXISTS `wholesaler` (

`WholesalerID` varchar(10) NOT NULL,

`StoreName` char(20) DEFAULT NULL,

`PhoneNumer` char(10) DEFAULT NULL,

`Street` varchar(20) DEFAULT NULL,

`City` char(20) DEFAULT NULL,

`State` char(2) DEFAULT NULL,

`Zip` char(5) DEFAULT NULL,

`ContactName` char(20) DEFAULT NULL,

`fkArtID` char(10) NOT NULL,

PRIMARY KEY (`WholesalerID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

CREATE TABLE IF NOT EXISTS `wholesalercategory` (

`Category` text NOT NULL,

`QuantityOrdered` int(3) NOT NULL,

`QuantitySold` int(3) NOT NULL,

`WholesalerID` varchar(10) NOT NULL,

`CategoryID` varchar(10) NOT NULL,

PRIMARY KEY (`WholesalerID`,`CategoryID`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8;

### Story Board

## 

## 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* – <http://www.uvm.edu/~lkkim/cs148/assignment4.1/>
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.
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).