CS 148 Database Design for the Web

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Assignment Seven: Final Project

VT Maple Syrup

Version <1.0>

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| Time Log | | | |
| Date | Time Spent (in hours) | Description | Author |
| 11/5/13 | 3.0 | First Version of Software Requirements | Robert Erickson |
|  |  | Your estimated time to complete assignment \_\_\_45\_\_\_ hours |  |
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# Software Requirements Specifications

## Introduction

### Purpose

The purpose of this document is to describe the requirement specification for the web site that a user can purchase VT Maple Syrup form different farms.

The intended audience for this document is the prospective developers of this site. 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 conent.

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 VT Maple Syrup web site.

### Overall Description

The VT Maple Syrup Site will allows customers to purchase Syrup from a variety of farms in VT

### Data Dictionary

### Column Type Null Default Comments MIME

### pkCustomerId int(11) No

### fldEmail varchar(25) No

### fldFirstName varchar(25) No

### fldLastName varchar(25) No

### fldStreetAddress varchar(55) Yes NULL

### fldCity varchar(25) Yes NULL

### fldState varchar(55) Yes NULL

### fldZip int(11) Yes NULL

### fldPhoneNumber int(11) Yes NULL

### fldRegisteredDate int(11) Yes NULL

### tblMapleProducts

### Table comments: tblMapleProducts

### Column Type Null Default Comments MIME

### pkProductId int(11) No

### fldProductName varchar(55) Yes NULL

### fldWeight int(11) Yes NULL

### fldQuantity int(11) Yes NULL

### fkSalePrice int(11) No

### tblOrder

### Table comments: tblOrder

### Column Type Null Default Comments MIME

### pkOrderId int(11) No

### fldOrderDate int(11) Yes NULL

### fldDateShipped int(11) Yes NULL

### fkCustomerId int(11) No

### fkSyrupId int(11) No

### fkProductId int(11) No

### fkSalePrice int(11) No

### tblPayment

### Table comments: tblPayment

### Column Type Null Default Comments MIME

### pkPaymentId int(11) No

### fldPaymentType varchar(55) Yes NULL

### fldCreditCardNum int(11) Yes NULL

### fldMoneyOrder int(11) Yes NULL

### tblPrice

### Table comments: tblPrice

### Column Type Null Default Comments MIME

### pkSalePrice int(11) No

### fldRetailPrice int(11) Yes NULL

### fldWholesalePrice int(11) Yes NULL

### tblSyrup

### Table comments: tblSyrup

### Column Type Null Default Comments MIME

### pkSyrupd int(11) No

### fldGrade varchar(55) Yes NULL

### fldFarmLocation varchar(55) Yes NULL

### fldWeight int(11) Yes NULL

### fldQtyInStock int(11) Yes NULL

### fldQuantityInStock int(11) Yes NULL

### fkSalePrice int(11) No

### E-R Diagram

### Schema

create table tblCustomer(

pkCustomerId int primary key auto\_increment,

fldEmail varchar(25) not null,

fldFirstName varchar(25) not null,

fldLastName varchar(25) not null,

fldStreetAddress varchar(55),

fldCity varchar(25),

fldState varchar(55),

fldZip int(11),

fldPhoneNumber int(11),

fldRegisteredDate int(11));

create table tblOrder(

pkOrderId int primary key auto\_increment,

fldOrderDate int(11),

fldDateShipped int(11),

fkCustomerId int not null references tblCustomer(pkCustomerId),

fkSyrupId int not null references tblSyrup(pkSyruptId),

fkProductId int not null references tbMapleProducts(pkProductId),

fkSalePrice int not null references tblPrice(pkSalePrice));

create table tblSyrup(

pkSyrupd int primary key auto\_increment,

fldGrade varchar(55),

fldFarmLocation varchar (55),

fldWeight int(11),

fldQtyInStock int(11),

fldQuantityInStock int (11),

fkSalePrice int not null references tblPrice(pkSalePrice));

create table tblMapleProducts(

pkProductId int primary key auto\_increment,

fldProductName varchar(55),

fldWeight int(11),

fldQuantity int(11),

fkSalePrice int not null references tblPrice(pkSalePrice));

create table tblPrice(

pkSalePrice int primary key,

fldRetailPrice int(11),

fldWholesalePrice int(11));

create table tblPayment(

pkPaymentId int primary key auto\_increment,

fldPaymentType varchar (55),

fldCreditCardNum int(11),

fldMoneyOrder int(11));

### Story Board

See attached page

## 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.
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).