CS 148

Sam Colburn

Assignment 10: Final Project

Assignment 10

Version <1.0>

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| --- | --- | --- | --- |
| Time Log | | | |
| Estimated time to complete assignment => | | | 100 Hours |
| Date | Time Spent  (in hours) | Description | Author |
| 11/20 | 20 | Imported Software from Previous Assignments | Sam Colburn |
| 11/28 | 2 | User Account Form | Sam Colburn |
| 11/29 | 3 | User Profile Form | Sam Colburn |
| 12/1 | 4 | User Page and List | Sam Colburn |
| 12/2 | 4 | User Login and Admin system | Sam Colburn |
| 12/3 | 3 | Product submission and edit form | Sam Colburn |
| 12/6 | 2 | Product Page and List | Sam Colburn |
| 12/7 | 2 | Category List and Update/Edit Form | Sam Colburn |
| 12/7 | 4 | Delete Form | Sam Colburn |
| 12/7 | 10 | Misc. | Sam Colburn |
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|  |  |  |  |
|  | 64 | <=Total Time Spent |  |
|  |  |  |  |

# Introduction

### Purpose

The purpose of this document is to describe the requirement specification for the web site “Assignment 10”.

The intended audience for this document is: Karol Zieba, Robert Erickson

*First it is the contract between you and the client. Second it is for the developer of the site. Two primary goals are:*

1. *Client gets a very good understanding of what you will be delivering.*
2. *Developer has a very good understanding of what they are going to create.*

### 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 site is a product display website.

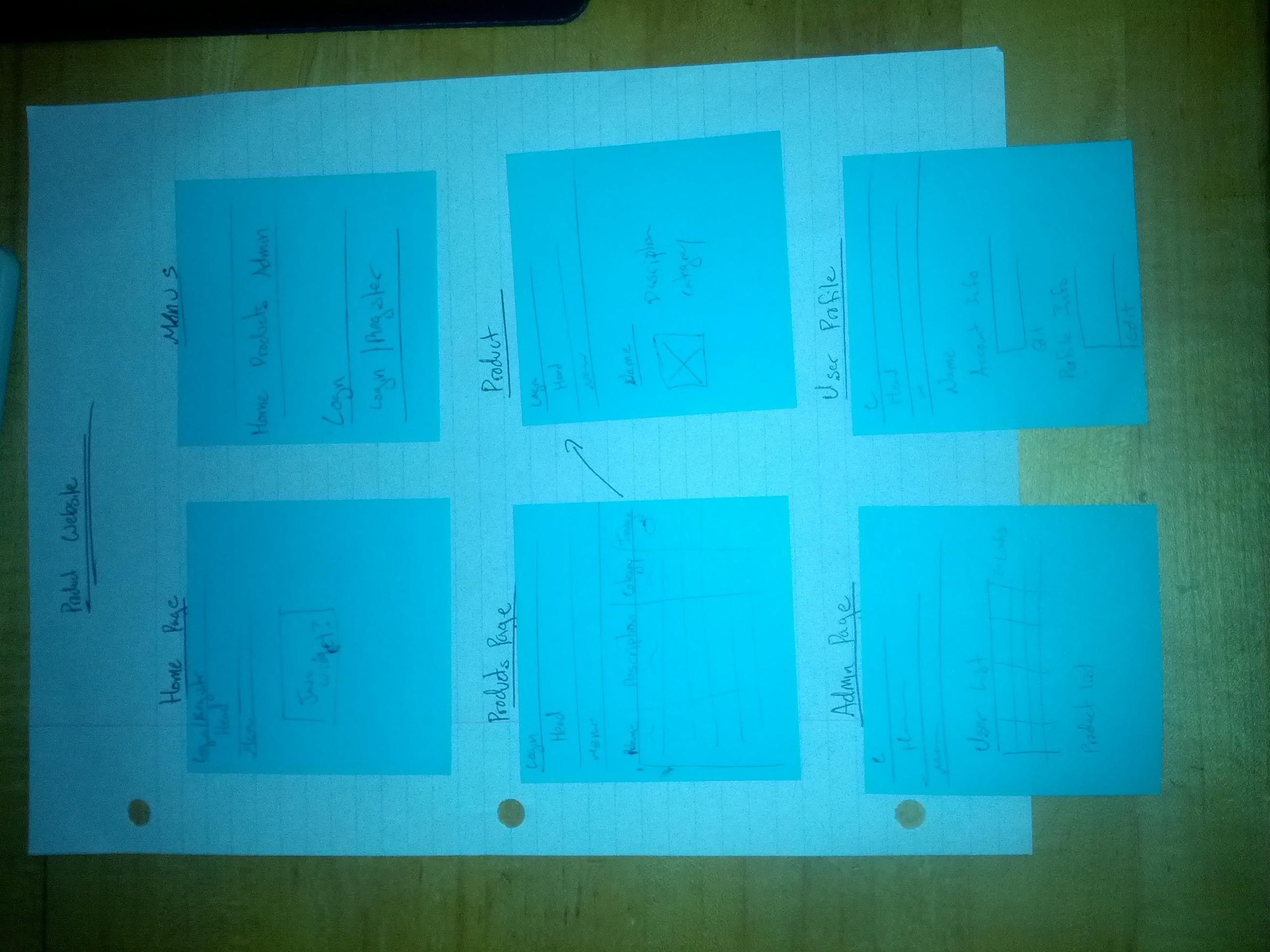
Users can register and have a user profile. Profiles can be edited and deleted by the user or a site admin.

Products can be added, edited and deleted by site admins. A list of products and a page for each product can be seen by guests or users. Users can comment on individual products.

Product categories can be added, edited, or deleted by site admins.

Admin privileges can be given to individual users by current admins.

# Story Board



# Specific requirements

1. *You fill out* – This is where you would put the exact detail of what you want for the project. For example:
2. *Title for main page*: *Assignment 10*
3. *Meta Description*: *what is the description for the above link.*
4. *Meta Character set*: UTF - 8
5. *Content can be found here*: https://smcolbur.w3.uvm.edu/cs148/assignment10
6. User Form: Users can register with an account. When they register they can fill out an optional profile they can add later. When they register they are emailed a confirmation. Users can view, edit, and delete their account and profile at any time by logging in.
7. Products can be viewed as a list and as individual products. All products can be commented by users.
8. Administrators can view, edit, and delete products, product categories, and other users. They can also upgrade other users to admin, or downgrade them.

# Data Dictionary

## **tblCategories**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** | **Comments** | **MIME** |
| pmkCategoryID | int(11) | No |  |  |  |
| fldCategoryName | varchar(65) | Yes | *NULL* |  |  |

### Indexes

| **Keyname** | **Type** | **Unique** | **Packed** | **Column** | **Cardinality** | **Collation** | **Null** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIMARY | BTREE | Yes | No | pmkCategoryID | 3 | A | No |  |

## **tblComments**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** | **Comments** | **MIME** |
| fnkUserID | int(11) | No |  |  |  |
| fnkProductID | int(11) | No |  |  |  |
| fldText | varchar(250) | Yes | *NULL* |  |  |
| fldRating | tinyint(5) | Yes | *NULL* |  |  |
| fldDateSubmitted | timestamp | No | CURRENT\_TIMESTAMP |  |  |

### Indexes

| **Keyname** | **Type** | **Unique** | **Packed** | **Column** | **Cardinality** | **Collation** | **Null** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIMARY | BTREE | Yes | No | fnkProductID |  | A | No |  |
| fnkUserID | 6 | A | No |

## **tblProducts**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** | **Comments** | **MIME** |
| pmkProductID | int(11) | No |  |  |  |
| fldProductName | varchar(65) | Yes | *NULL* |  |  |
| fldDescription | varchar(500) | Yes | *NULL* |  |  |
| fldDateSubmitted | timestamp | Yes | CURRENT\_TIMESTAMP |  |  |
| fnkCategoryID | int(11) | No |  |  |  |
| fldImage | blob | Yes | *NULL* |  |  |
| fldPrice | decimal(11,2) | No |  |  |  |

### Indexes

| **Keyname** | **Type** | **Unique** | **Packed** | **Column** | **Cardinality** | **Collation** | **Null** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIMARY | BTREE | Yes | No | pmkProductID | 8 | A | No |  |

## **tblProfile**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** | **Comments** | **MIME** |
| fnkUserId | int(11) | No |  |  |  |
| fldFirstName | varchar(65) | Yes | *NULL* |  |  |
| fldLastName | varchar(15) | Yes | *NULL* |  |  |
| fldAboutMe | varchar(200) | Yes | *NULL* |  |  |
| fldProfilePicture | timestamp | No | CURRENT\_TIMESTAMP |  |  |
| fldGender | varchar(10) | Yes | *NULL* |  |  |
| fldAge | varchar(10) | Yes | *NULL* |  |  |

### Indexes

| **Keyname** | **Type** | **Unique** | **Packed** | **Column** | **Cardinality** | **Collation** | **Null** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIMARY | BTREE | Yes | No | fnkUserId | 9 | A | No |  |

## **tblUsers**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column** | **Type** | **Null** | **Default** | **Comments** | **MIME** |
| pmkUserId | int(11) | No |  |  |  |
| fldEmail | varchar(65) | Yes | *NULL* |  |  |
| fldUsername | varchar(15) | Yes | *NULL* |  |  |
| fldPassword | varchar(15) | Yes | *NULL* |  |  |
| fldDateJoined | timestamp | No | CURRENT\_TIMESTAMP |  |  |
| fldPermissionLevel | tinyint(5) | No | 0 |  |  |
| fldPostCount | int(10) | No | 0 |  |  |

### Indexes

| **Keyname** | **Type** | **Unique** | **Packed** | **Column** | **Cardinality** | **Collation** | **Null** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PRIMARY | BTREE | Yes | No | pmkUserId | 7 | A | No |  |

# Entity Relationship Diagram

See assignment 10 folder for pdf.

# Schema

See schema.php in assignment 10 for schema.